

Converting Colors

XYZ(79.9923, 84.1233, 90.4509)

Have a look what the booklet for
XYZ(79.9923, 84.1233, 90.4509)
contains.

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Color

**XYZ(79.9159, 83.9936,
90.5976)**

Conversions

Conversions Part 1

Format	Color
Hex	EDECEB
RGB	237, 236, 235
RGB Percent	93%, 93%, 92%
CMY	0.0706, 0.0745, 0.0784
CMYK	0.00, 0.00, 0.01, 0.07
HSL	30°, 5%, 93%
HSV	30°, 1%, 93%
XYZ	79.9159, 83.9936, 90.5976
YIQ	236.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

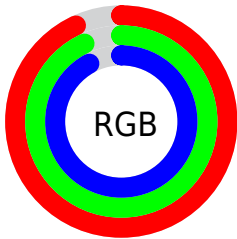
Format	Color
R _Y B	237, 237, 235
Decimal	15592683
CIE Lab	93.45, 0.16, 0.59
CIE LCh	93, 0.613, 74.640
Yxy	83.9936, 0.3140, 0.3300
Android (android.graphics.Color)	4293782763 (0xFFEDEC EB)
YUV	236.1850, -0.5842, 0.7148
Hunter-Lab	91.6480, -4.7343, 5.5432

Details

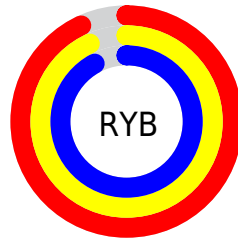
The XYZ color **79.9159, 83.9936, 90.5976** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.5425, 83.7664, 92.0981**, and the grayscale version is **79.8764, 84.0362, 91.5154**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5140, 45.7209, 49.1794** is the 20% darker color. If you saturate the color by 10%, you get **73.4319, 76.1444, 72.6534**, and if you desaturate by 10%, it is **86.4836, 92.2409, 107.8538**.

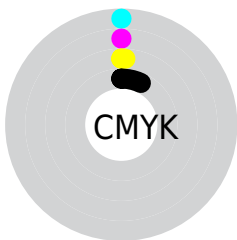
Distribution



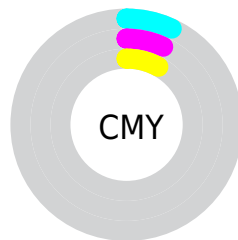
- Red (93%)
- Green (93%)
- Blue (92%)



- Red (93%)
- Yellow (93%)
- Blue (92%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9159, 83.9936, 90.5976 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.9159, 83.9936, 90.5976 by changing the saturation by 10% instead.

■ 79.9159, 83.9936,
90.5976

■ 79.9159, 83.9936,
90.5976

483.3902,
508.2920, 550.5931

■ 59.9574, 63.0102,
67.8999

132.1986,
138.9662, 150.1110

■ 43.6336, 45.8494,
49.3501

165.2535,
173.7242, 187.7637

■ 30.5792, 32.1270,
34.5297

203.4046,
213.8424, 231.2386

■ 20.4289, 21.4585,
23.0202

247.0173,
259.7054, 280.9540

■ 12.8173, 13.4596,
14.4030

296.4568,
311.6974, 337.3287

■ 7.3790, 7.7458,
8.2595

352.0885,

■ 3.7486, 3.9327,

370.2029, 400.7811

4.1713

414.2779,
435.6063, 471.7297

■ 1.5609, 1.6360,
1.7198

■ 0.3667, 0.3817,
0.3742

■ 79.9159, 83.9936,
90.5976

■ 79.9159, 83.9936,
90.5976

■ 73.4319, 76.1444,
72.6534

■ 86.4836, 92.2409,
107.8538

■ 67.6042, 68.9073,
57.0892

■ 88.7356, 96.7448,
108.6045

■ 62.4115, 62.2696,
43.8050

■ 57.8288, 56.2138,
32.6912

■ 53.8293, 50.7216,
23.6293

■ 50.3835, 45.7735,
16.4894

■ 47.4592, 41.3485,
11.1263

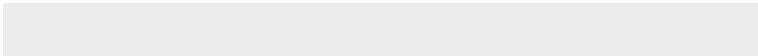
■ 45.0200, 37.4234,
7.3739

■ 43.0229, 33.9723,
5.0337

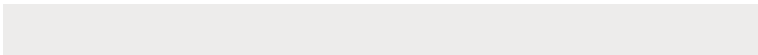
Harmonies

Analogous

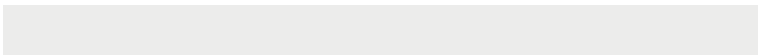
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0551, 83.9936, 90.8296



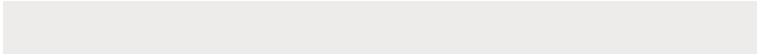
79.9159, 83.9936, 90.5976



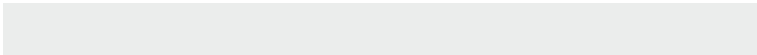
79.7547, 83.9936, 90.5947

Triad

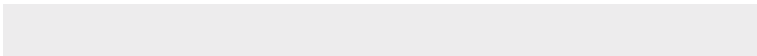
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9159, 83.9936, 90.5976



79.5325, 83.9936, 91.6803



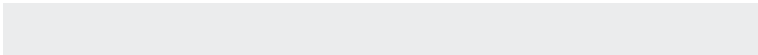
80.0524, 83.9936, 92.0907

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



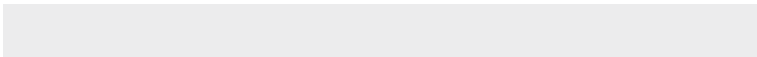
79.9159, 83.9936, 90.5976



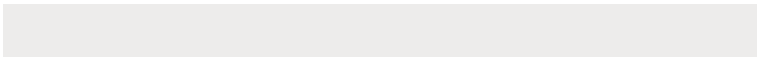
79.5425, 83.7664, 92.0981

Split Complementary

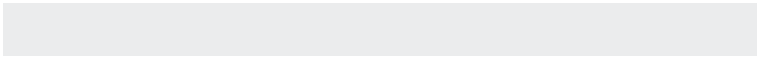
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9121, 83.9936, 92.3202



79.9159, 83.9936, 90.5976



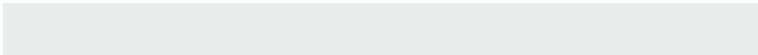
79.6121, 83.9936, 92.0827

Square

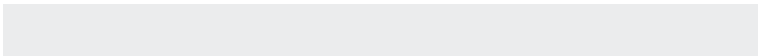
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



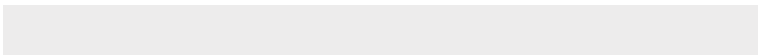
79.9159, 83.9936, 90.5976



79.5335, 83.9936, 91.2188



79.7510, 83.9936, 92.3173



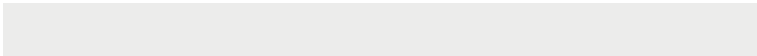
80.1340, 83.9936, 91.6912

Rectangle

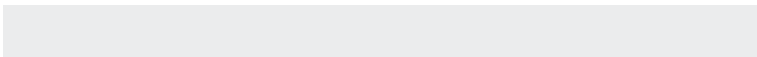
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



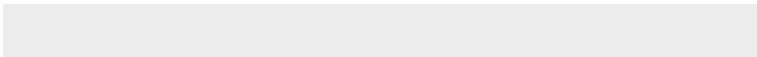
79.9159, 83.9936, 90.5976



79.6565, 83.9936, 90.7231



79.7510, 83.9936, 92.3173



80.0105, 83.9936, 92.1904

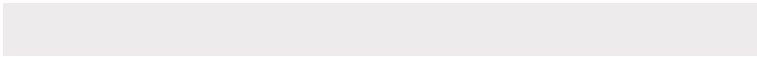
Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.9183, 83.9972, 90.5994

95.0500, 100.0000, 108.9000



79.7749, 83.4786, 91.2665



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

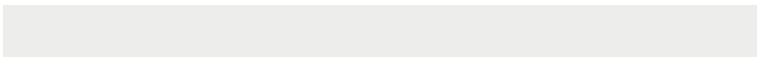
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9183, 83.9972, 90.5994



94.2384, 99.0294, 106.6175



80.2058, 84.5723, 90.6953



16.8645, 17.7231, 19.0938



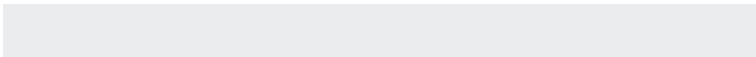
22.8002, 17.2946, 2.1365



1.8866, 1.5505, 0.1998

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



79.5425, 83.7664, 92.0981



93.7110, 98.7054, 108.7207



79.2566, 83.1945, 92.0028



16.7756, 17.6685, 19.4484



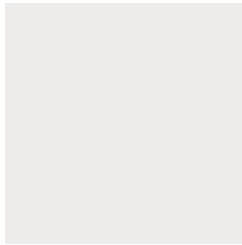
12.0146, 10.6762, 45.1704



1.0396, 1.0307, 3.5790

Previews

White Background



This preview shows how the XYZ color 79.9159, 83.9936, 90.5976 looks on a white background.

Color Contrast Check

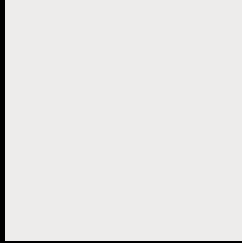
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 79.9159, 83.9936, 90.5976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

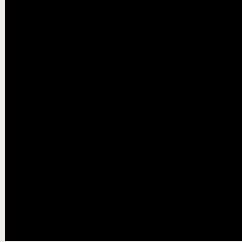
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

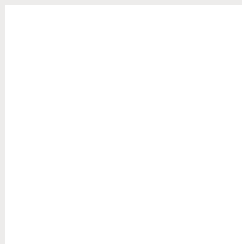
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9159, 83.9936, 90.5976

Background



This preview shows how black text looks on a background with the XYZ color 79.9159, 83.9936, 90.5976.



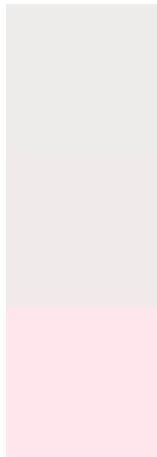
This preview shows how white text looks on a background with the XYZ color 79.9159, 83.9936,

90.5976.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79.9159, 83.9936, 90.5976

Protanopia

80.4948, 83.8824, 89.7903

Deuteranopia

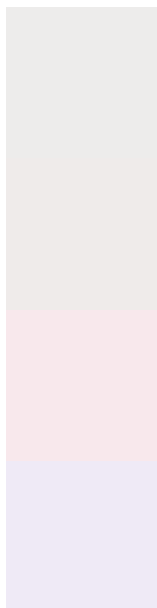
84.6771, 83.9098, 91.0901



Tritanopia

82.6448, 83.8314, 103.9207

Trichromacy



Original Color

79.9159, 83.9936, 90.5976

Protanomaly

80.1562, 83.7079, 89.7745

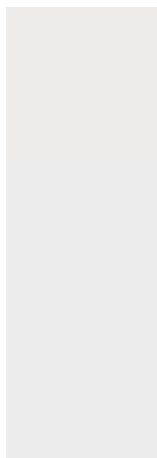
Deuteranomaly

82.7083, 83.7258, 91.1584

Tritanomaly

81.6540, 83.8502, 99.0699

Monochromacy



Original Color

79.9159, 83.9936, 90.5976

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.7278, 83.8799, 91.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9159, 83.9936, 90.5976 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(237, 236, 235) looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(237, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 235) }
```

Border

The CSS property to change the border of an element to XYZ 79.9159, 83.9936, 90.5976 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 236, 235) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(237, 236, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(237, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
235) }
```


Background

The CSS property to change the background color of an element to XYZ 79.9159, 83.9936, 90.5976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(237,  
236, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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