

Converting Colors

XYZ(79.8221, 88.6105, 75.1835)

Have a look what the booklet for
XYZ(79.8221, 88.6105, 75.1835)
contains.

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Color

**XYZ(79.7645, 88.6695,
75.1982)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF6D4
RGB	237, 246, 212
RGB Percent	93%, 96%, 83%
CMY	0.0706, 0.0353, 0.1686
CMYK	0.04, 0.00, 0.14, 0.04
HSL	76°, 65%, 90%
HSV	76°, 14%, 96%
XYZ	79.7645, 88.6695, 75.1982
YIQ	239.4330, 5.5500, -12.4820

Conversions

Conversions Part 2

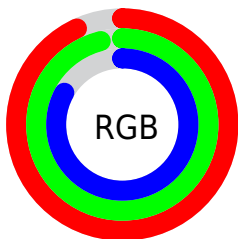
Format	Color
R _Y B	212, 246, 221
Decimal	15595220
CIE Lab	95.44, -8.73, 15.36
CIE LCh	95, 17.666, 119.624
Yxy	88.6695, 0.3274, 0.3639
Android (android.graphics.Color)	4293785300 (0xFFEDF6D4)
YUV	239.4330, -13.5245, -2.1337
Hunter-Lab	94.1645, -13.5847, 18.5671

Details

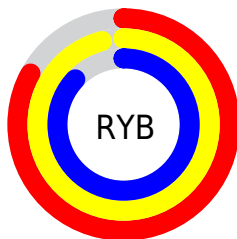
The XYZ color **79.7645, 88.6695, 75.1982** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.0002, 69.1153, 96.8446**, and the grayscale version is **82.4827, 86.7782, 94.5015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5553, 49.0850, 39.0770** is the 20% darker color. If you saturate the color by 10%, you get **74.7597, 86.4238, 59.9805**, and if you desaturate by 10%, it is **85.3260, 91.1529, 92.9137**.

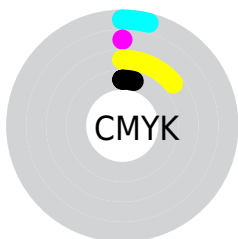
Distribution



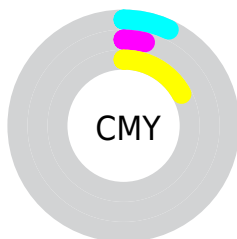
- Red (93%)
- Green (96%)
- Blue (83%)



- Red (83%)
- Yellow (96%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7645, 88.6695, 75.1982 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 79.7645, 88.6695, 75.1982 by changing the saturation by 10% instead.

79.7645, 88.6695,
75.1982

79.7645, 88.6695,
75.1982

482.8875,
523.6932, 497.8721

59.8324, 66.8777,
55.2726

131.9868,
145.4889, 128.3426

43.5325, 48.9852,
39.2199

165.0078,
181.2852, 162.3984

30.4995, 34.6078,
26.6217

203.1224,
222.5185, 202.0013

20.3680, 23.3609,
17.0594

246.6960,
269.5732, 247.5700

12.7726, 14.8602,
10.1144

296.0939,
322.8336, 299.5228

7.3481, 8.7213,
5.3683

351.6816,

3.7290, 4.5599,

382.6841, 358.2784

2.4024

413.8243,
449.5092, 424.2554

■ 1.5500, 1.9914,
0.7878

■ 0.3595, 0.6025,
0.0000

■ 79.7645, 88.6695,
75.1982

■ 79.7645, 88.6695,
75.1982

■ 74.7597, 86.4238,
59.9805

■ 85.3260, 91.1529,
92.9137

■ 70.2824, 84.3951,
47.1424

■ 90.4427, 93.4647,
107.8814

■ 66.3110, 82.5778,
36.5649

■ 92.2475, 94.3951,
107.9658

■ 62.8197, 80.9614,
28.1165

■ 59.7801, 79.5343,
21.6519

■ 57.1603, 78.2839,
17.0078

■ 54.9235, 77.1951,
13.9949

■ 53.0250, 76.2501,
12.3824

■ 51.9809, 75.7220,
11.8761

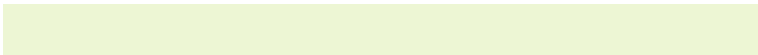
Harmonies

Analogous

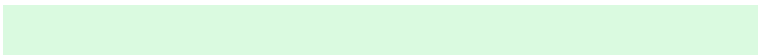
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3387, 88.6695, 72.2903



79.7645, 88.6695, 75.1982



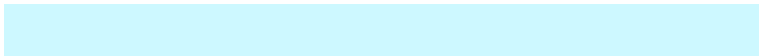
76.5076, 88.6695, 83.6967

Triad

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



79.7645, 88.6695, 75.1982



79.6628, 88.6695, 121.3906



93.9219, 88.6695, 96.7207

Complementary

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



79.7645, 88.6695, 75.1982



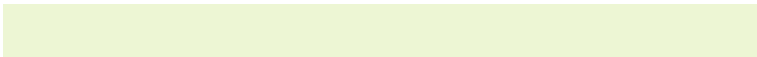
70.0002, 69.1153, 96.8446

Split Complementary

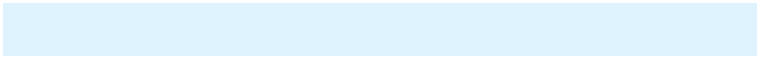
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5568, 88.6695, 110.6474



79.7645, 88.6695, 75.1982



84.2168, 88.6695, 125.6982

Square

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



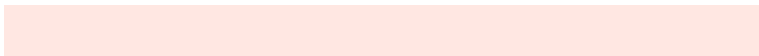
79.7645, 88.6695, 75.1982



76.4505, 88.6695, 110.3166



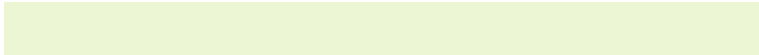
88.9580, 88.6695, 121.5940



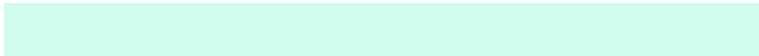
92.6217, 88.6695, 83.9719

Rectangle

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



79.7645, 88.6695, 75.1982



75.4584, 88.6695, 91.8290



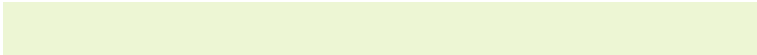
88.9580, 88.6695, 121.5940



93.7588, 88.6695, 101.4218

Sweetspot

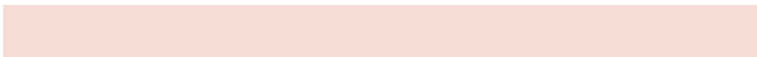
The Sweet Spot groups the original color and five complimentary colors.



79.7669, 88.6734, 75.2001



92.4641, 98.8517, 100.4331



75.6174, 75.7982, 72.9337



19.6894, 21.1131, 21.1669



0.0000, 0.0000, 0.0000



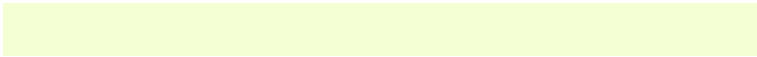
20.3446, 21.4041, 23.3091

Same Dimension

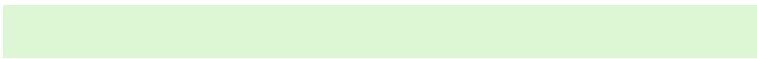
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7669, 88.6734, 75.2001



84.7416, 95.4032, 76.0044



74.5091, 85.9629, 74.9541



17.4615, 19.0800, 17.5600



27.8833, 40.4872, 6.3452



2.5473, 3.6082, 0.5622

Inverse Universe

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



70.0002, 69.1153, 96.8446



71.9775, 69.8407, 104.2947



75.2733, 71.8336, 97.0914



15.9927, 16.1389, 20.8148



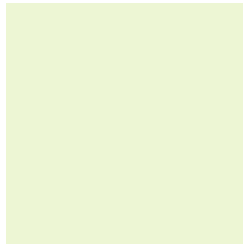
10.1598, 4.2119, 46.8155



0.9861, 0.4182, 4.1190

Previews

White Background



This preview shows how the XYZ color 79.7645, 88.6695, 75.1982 looks on a white background.

Color Contrast Check

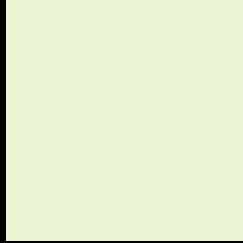
Large Text (above 18pt) WCAG AA × Fail

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 79.7645, 88.6695, 75.1982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

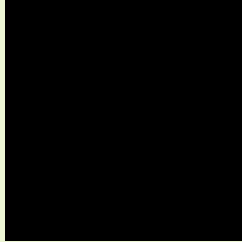
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

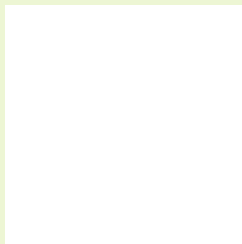
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.7645, 88.6695, 75.1982

Background



This preview shows how black text looks on a background with the XYZ color 79.7645, 88.6695, 75.1982.



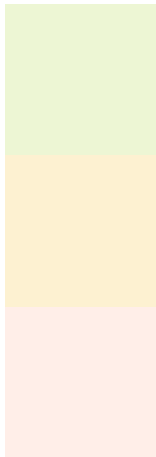
This preview shows how white text looks on a background with the XYZ color 79.7645, 88.6695,

75.1982.

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

79.7645, 88.6695, 75.1982

Protanopia

83.4719, 88.3967, 72.9844

Deuteranopia

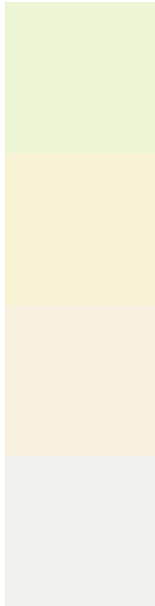
86.3800, 88.2353, 88.8223



Tritanopia

86.1722, 88.5949, 107.1665

Trichromacy



Original Color

79.7645, 88.6695, 75.1982

Protanomaly

82.0412, 88.5285, 73.7364

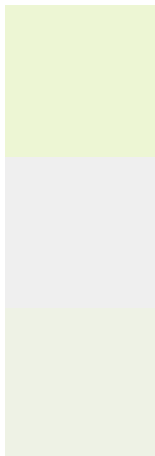
Deuteranomaly

83.7573, 88.3033, 83.8639

Tritanomaly

83.6077, 88.4370, 94.3248

Monochromacy



Original Color

79.7645, 88.6695, 75.1982

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.1549, 87.3385, 86.7094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7645, 88.6695, 75.1982 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, 246, 212) looks like.

```
.text, #text, p{  
    color:rgb(237, 246, 212)  
}
```

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, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 246, 212) }
```

Border

The CSS property to change the border of an element to XYZ 79.7645, 88.6695, 75.1982 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, 246, 212) }
```


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

```
.border{ border-color:rgb(237, 246, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 246, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 246, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 246, 212);  
box-shadow:4px 4px 4px 4px rgb(237, 246,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7645, 88.6695, 75.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 246, 212) }
```

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

```
.background{ background-color: rgb(237,  
246, 212) }
```

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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