

Converting Colors

XYZ(77.9686, 81.7234, 95.8673)

Have a look what the booklet for
XYZ(77.9686, 81.7234, 95.8673)
contains.

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Color

**XYZ(77.7991, 81.5116,
95.6373)**

Conversions

Conversions Part 1

Format	Color
Hex	E6E9F2
RGB	230, 233, 242
RGB Percent	90%, 91%, 95%
CMY	0.0980, 0.0863, 0.0510
CMYK	0.05, 0.04, 0.00, 0.05
HSL	225°, 32%, 93%
HSV	225°, 5%, 95%
XYZ	77.7991, 81.5116, 95.6373
YIQ	233.1290, -4.6770, 2.1630

Conversions

Conversions Part 2

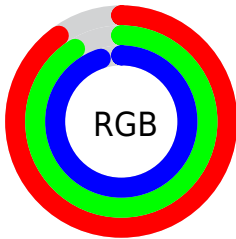
Format	Color
R_{YB}	230, 232, 242
Decimal	15133170
CIE Lab	92.36, 0.65, -4.71
CIE LCh	92, 4.756, 277.876
Yxy	81.5116, 0.3052, 0.3197
Android (android.graphics.Color)	4293323250 (0xFFE6E9F2)
YUV	233.1290, 4.3734, -2.7441
Hunter-Lab	90.2838, -4.1800, 0.3929

Details

The XYZ color **77.7991, 81.5116, 95.6373** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7677, 86.3229, 87.2168**, and the grayscale version is **77.5219, 81.5590, 88.8178**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2643, 44.1034, 52.7396** is the 20% darker color. If you saturate the color by 10%, you get **65.6912, 68.0350, 93.6755**, and if you desaturate by 10%, it is **91.5180, 96.6072, 97.8292**.

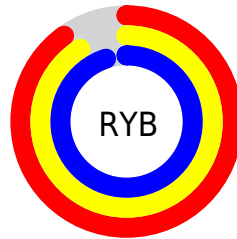
Distribution



Red (90%)

Green (91%)

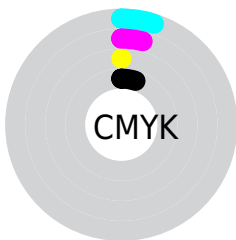
Blue (95%)



Red (90%)

Yellow (91%)

Blue (95%)

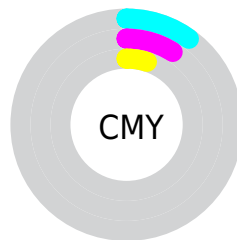


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (10%)

Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7991, 81.5116, 95.6373 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 77.7991, 81.5116, 95.6373 by changing the saturation by 10% instead.

■ 77.7991, 81.5116,
95.6373

■ 77.7991, 81.5116,
95.6373

476.3345,
500.0125, 567.2396

■ 58.2112, 60.9630,
72.0657

129.2337,
135.4889, 157.1479

■ 42.2224, 44.1953,
52.7252

161.8112,
169.6864, 195.9240

■ 29.4673, 30.8241,
37.1972

199.4491,
209.2024, 240.6053

■ 19.5807, 20.4649,
25.0632

242.5130,
254.4211, 291.6105

■ 12.1971, 12.7335,
15.9047

291.3681,
305.7272, 349.3579

■ 6.9512, 7.2453,
9.3031

346.3798,

■ 3.4777, 3.6160,

363.5048, 414.2662

4.8399

407.9135,
428.1385, 486.7539

■ 1.4111, 1.4611,
2.0966

■ 0.2641, 0.2611,
0.6137

■ 77.7991, 81.5116,
95.6373

■ 77.7991, 81.5116,
95.6373

■ 65.6912, 68.0350,
93.6755

■ 91.5180, 96.6072,
97.8292

■ 55.1272, 56.1124,
91.9310

■ 93.0273, 99.1909,
98.2484

■ 46.0455, 45.6897,
90.3978

■ 38.3778, 36.7055,
89.0678

■ 32.0501, 29.0942,
87.9322

■ 26.9814, 22.7847,
86.9815

■ 23.0815, 17.6989,
86.2054

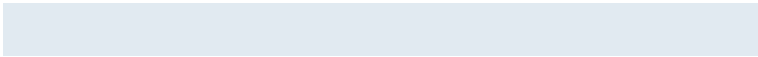
■ 20.2470, 13.7495,
85.5925

■ 18.3541, 10.8353,
85.1297

Harmonies

Analogous

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



76.5864, 81.5116, 95.1807



77.7991, 81.5116, 95.6373



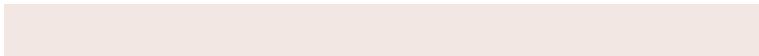
78.9365, 81.5116, 94.2108

Triad

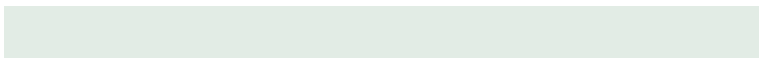
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7991, 81.5116, 95.6373



79.3576, 81.5116, 84.6555



75.3024, 81.5116, 86.2239

Complementary

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



77.7991, 81.5116, 95.6373



81.7677, 86.3229, 87.2168

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.



76.0303, 81.5116, 83.5087



77.7991, 81.5116, 95.6373



78.3691, 81.5116, 82.6200

Square

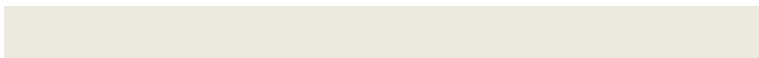
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



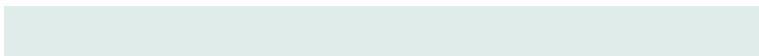
77.7991, 81.5116, 95.6373



79.8425, 81.5116, 87.8267



77.1505, 81.5116, 82.2059



75.1535, 81.5116, 89.6843

Rectangle

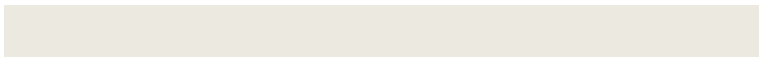
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



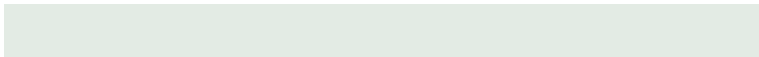
77.7991, 81.5116, 95.6373



79.4961, 81.5116, 92.4056



77.1505, 81.5116, 82.2059



75.4872, 81.5116, 85.1965

Sweetspot

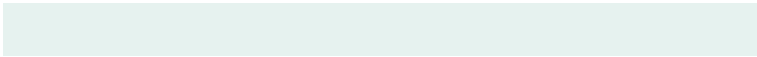
The Sweet Spot groups the original color and five complimentary colors.



77.8015, 81.5151, 95.6391



93.5112, 98.3058, 108.6541



79.9371, 86.5488, 94.0003



20.0315, 21.0594, 23.2590



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.



77.8015, 81.5151, 95.6391



86.0926, 90.1113, 107.4634



77.8643, 80.2960, 95.4005



15.9625, 16.6975, 20.1032



9.5850, 5.3942, 45.6639



0.8738, 0.6017, 3.8243

Inverse Universe

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



79.6246, 81.3558, 88.6013



88.5696, 89.9068, 97.8993



81.7006, 87.6044, 87.4677



16.4720, 16.6569, 18.1356



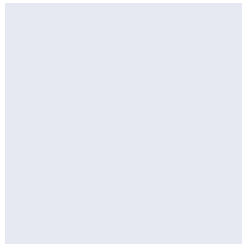
20.1637, 10.3379, 3.5124



1.7160, 0.8755, 0.4955

Previews

White Background



This preview shows how the XYZ color 77.7991, 81.5116, 95.6373 looks on a white background.

Color Contrast Check

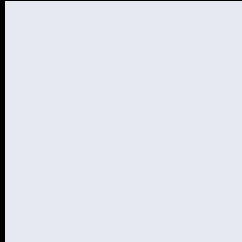
Large Text (above 18pt) WCAG AA × Fail

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 77.7991, 81.5116, 95.6373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

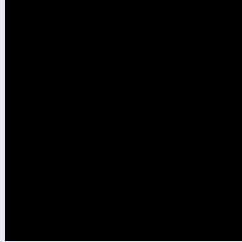
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

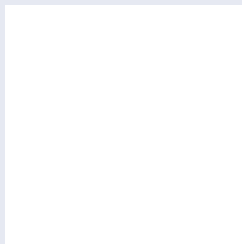
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7991, 81.5116, 95.6373

Background



This preview shows how black text looks on a background with the XYZ color 77.7991, 81.5116, 95.6373.



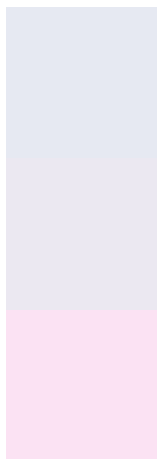
This preview shows how white text looks on a background with the XYZ color 77.7991, 81.5116,

95.6373.

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

77.7991, 81.5116, 95.6373

Protanopia

78.9947, 81.7263, 94.8304

Deuteranopia

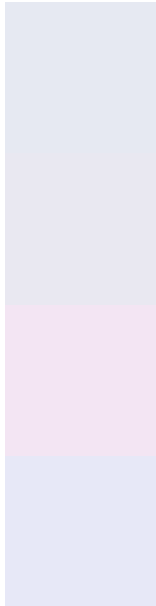
83.1577, 81.3730, 96.1177



Tritanopia

79.0669, 81.6043, 102.0264

Trichromacy



Original Color

77.7991, 81.5116, 95.6373

Protanomaly

78.3381, 81.3877, 94.7996

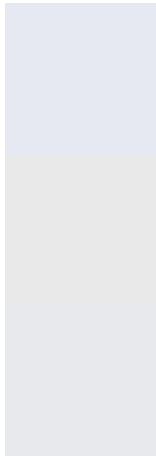
Deuteranomaly

81.1591, 81.5644, 96.2600

Tritanomaly

78.6001, 81.4176, 99.5682

Monochromacy



Original Color

77.7991, 81.5116, 95.6373

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.5579, 81.4898, 90.9982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7991, 81.5116, 95.6373 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(230, 233, 242) looks like.

```
.text, #text, p{  
    color:rgb(230, 233, 242)  
}
```

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(230, 233, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 233, 242) }
```

Border

The CSS property to change the border of an element to XYZ 77.7991, 81.5116, 95.6373 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(230, 233, 242) }
```


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

```
.border{ border-color:rgb(230, 233, 242) }
```

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

Here you see how a box with a 4 pixel rgb(230, 233, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 233, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 233, 242);  
box-shadow:4px 4px 4px 4px rgb(230, 233,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7991, 81.5116, 95.6373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 233, 242) }
```

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

```
.background{ background-color: rgb(230,  
233, 242) }
```

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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