

Converting Colors

XYZ(76.6051, 80.7803, 97.6899)

Have a look what the booklet for
XYZ(76.6051, 80.7803, 97.6899)
contains.

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Color

**XYZ(76.6717, 80.8780,
97.9562)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E9F5
RGB	225, 233, 245
RGB Percent	88%, 91%, 96%
CMY	0.1176, 0.0863, 0.0392
CMYK	0.08, 0.05, 0.00, 0.04
HSL	216°, 50%, 92%
HSV	216°, 8%, 96%
XYZ	76.6717, 80.8780, 97.9562
YIQ	231.9760, -8.6200, 2.0360

Conversions

Conversions Part 2

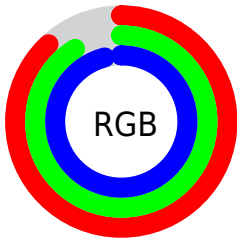
Format	Color
R _Y B	225, 231, 245
Decimal	14805493
CIE Lab	92.08, -0.41, -6.73
CIE LCh	92, 6.744, 266.556
Yxy	80.8780, 0.3001, 0.3165
Android (android.graphics.Color)	4292995573 (0xFFE1E9F5)
YUV	231.9760, 6.4208, -6.1180
Hunter-Lab	89.9322, -5.2012, -1.6275

Details

The XYZ color **76.6717, 80.8780, 97.9562** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.5313, 85.4164, 83.4254**, and the grayscale version is **76.6439, 80.6354, 87.8119**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4850, 43.6645, 54.3857** is the 20% darker color. If you saturate the color by 10%, you get **65.5871, 69.2448, 96.2962**, and if you desaturate by 10%, it is **89.2034, 93.7759, 99.7865**.

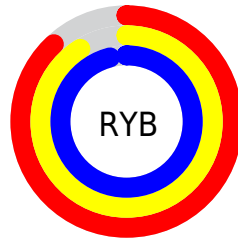
Distribution



Red (88%)

Green (91%)

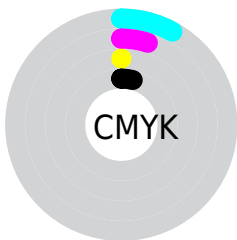
Blue (96%)



Red (88%)

Yellow (91%)

Blue (96%)

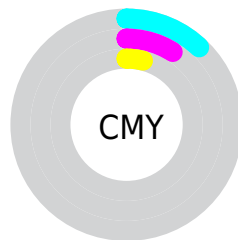


Cyan (8%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (12%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6717, 80.8780, 97.9562 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 76.6717, 80.8780, 97.9562 by changing the saturation by 10% instead.

■ 76.6717, 80.8780,
97.9562

■ 76.6717, 80.8780,
97.9562

472.5531,
497.8868, 574.8106

■ 57.2824, 60.4411,
73.9874

127.6513,
134.5995, 160.3730

■ 41.4731, 43.7743,
54.2870

159.9723,
168.6528, 199.6581

■ 28.8782, 30.4931,
38.4364

197.3346,
208.0138, 244.8857

■ 19.1325, 20.2132,
26.0171

240.1035,
253.0668, 296.4744

■ 11.8707, 12.5501,
16.6106

288.6445,
304.1962, 354.8427

■ 6.7272, 7.1195,
9.7982

343.3229,

■ 3.3369, 3.5369,

361.7864, 420.4091

5.1615

404.5039,
426.2218, 493.5922

■ 1.3343, 1.4181,
2.2820

■ 0.2087, 0.2300,
0.7211

■ 76.6717, 80.8780,
97.9562

■ 76.6717, 80.8780,
97.9562

■ 65.5871, 69.2448,
96.2962

■ 89.2034, 93.7759,
99.7865

■ 55.8878, 58.8254,
94.7963

■ 93.4817, 99.3727,
100.6413

■ 47.5175, 49.5801,
93.4529

■ 40.4134, 41.4630,
92.2606

■ 34.5071, 34.4247,
91.2134

■ 29.7233, 28.4117,
90.3049

■ 25.9770, 23.3645,
89.5281

■ 23.1694, 19.2159,
88.8754

■ 21.1669, 15.8795,
88.3369

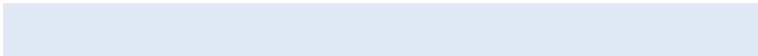
Harmonies

Analogous

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



75.0467, 80.8780, 96.2846



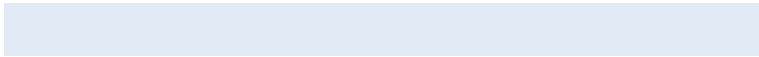
76.6717, 80.8780, 97.9562



78.3745, 80.8780, 96.8956

Triad

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



76.6717, 80.8780, 97.9562



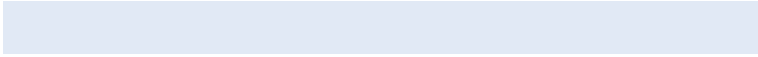
79.8975, 80.8780, 83.8563



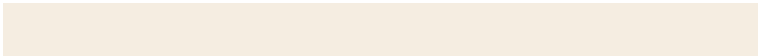
74.1197, 80.8780, 82.8969

Complementary

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



76.6717, 80.8780, 97.9562



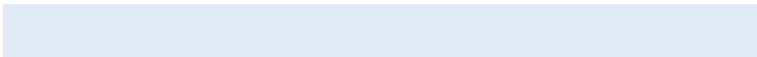
81.5313, 85.4164, 83.4254

Split Complementary

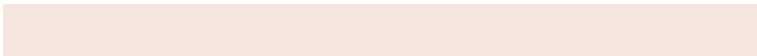
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3891, 80.8780, 79.7830



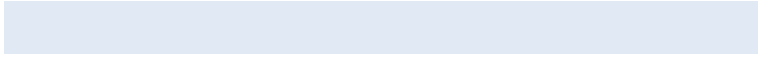
76.6717, 80.8780, 97.9562



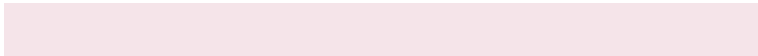
78.7269, 80.8780, 80.3221

Square

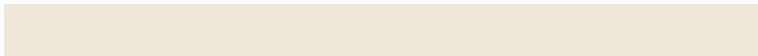
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6717, 80.8780, 97.9562



80.2533, 80.8780, 88.6381



77.0729, 80.8780, 78.8583



73.5873, 80.8780, 87.4892

Rectangle

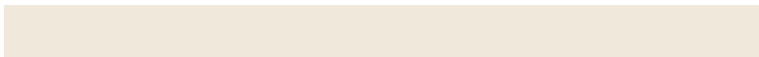
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



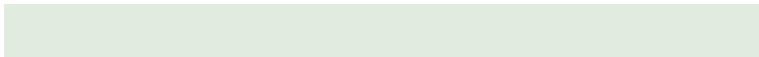
76.6717, 80.8780, 97.9562



79.3218, 80.8780, 94.8028



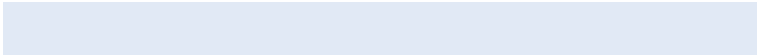
77.0729, 80.8780, 78.8583



74.4734, 80.8780, 81.6493

Sweetspot

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



76.6741, 80.8814, 97.9580



92.2304, 97.1092, 108.4906



78.9425, 87.4087, 92.5778



19.7707, 20.8157, 23.2258



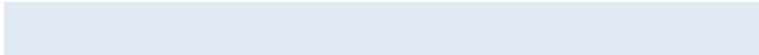
0.0000, 0.0000, 0.0000



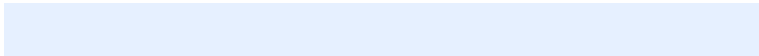
20.3446, 21.4041, 23.3091

Same Dimension

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



76.6741, 80.8814, 97.9580



81.5961, 86.1068, 106.9274



74.9815, 76.7212, 97.2442



16.1254, 17.0151, 20.9769



11.3607, 8.5153, 47.5829



1.0962, 0.9438, 4.2146

Inverse Universe

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



79.2912, 79.1477, 88.1928



85.0822, 83.8495, 93.9084



83.3216, 89.8565, 84.1881



16.7739, 16.5924, 18.5558



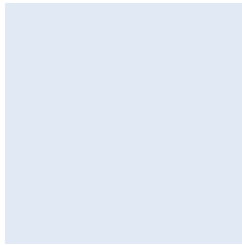
21.5389, 10.9590, 7.5461



1.9424, 0.9829, 0.9229

Previews

White Background



This preview shows how the XYZ color 76.6717, 80.8780, 97.9562 looks on a white background.

Color Contrast Check

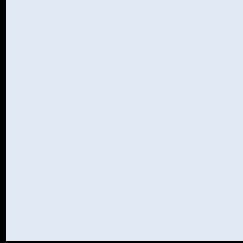
Large Text (above 18pt) WCAG AA × Fail

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 76.6717, 80.8780, 97.9562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

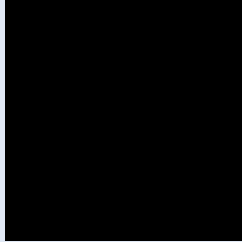
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

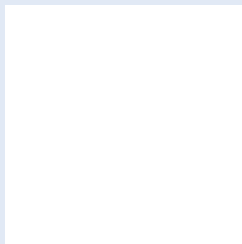
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6717, 80.8780, 97.9562

Background



This preview shows how black text looks on a background with the XYZ color 76.6717, 80.8780, 97.9562.



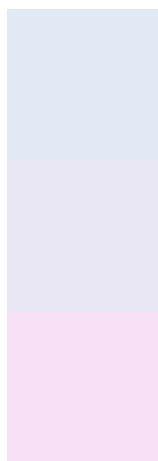
This preview shows how white text looks on a background with the XYZ color 76.6717, 80.8780,

97.9562.

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

76.6717, 80.8780, 97.9562

Protanopia

78.5093, 81.0071, 97.0860

Deuteranopia

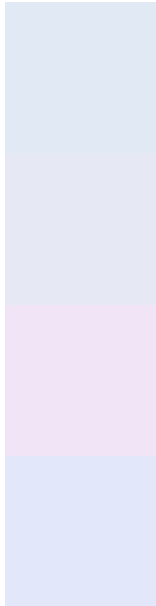
82.4251, 80.5223, 99.1938



Tritanopia

77.6332, 80.8470, 102.7801

Trichromacy



Original Color

76.6717, 80.8780, 97.9562

Protanomaly

77.8189, 81.0679, 97.1341

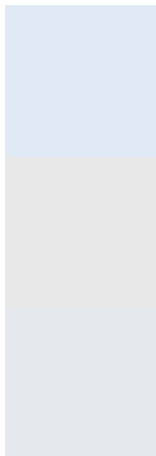
Deuteranomaly

80.3131, 80.6659, 98.5259

Tritanomaly

77.3195, 80.7215, 101.1282

Monochromacy



Original Color

76.6717, 80.8780, 97.9562

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.4558, 80.4857, 91.6264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6717, 80.8780, 97.9562 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(225, 233, 245)` looks like.

```
.text, #text, p{  
    color:rgb(225, 233, 245)  
}
```

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(225, 233, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 233, 245) }
```

Border

The CSS property to change the border of an element to XYZ 76.6717, 80.8780, 97.9562 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(225, 233, 245) }
```


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

```
.border{ border-color:rgb(225, 233, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 233, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 233, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 233, 245);  
box-shadow:4px 4px 4px 4px rgb(225, 233,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6717, 80.8780, 97.9562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 233, 245) }
```

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

```
.background{ background-color: rgb(225,  
233, 245) }
```

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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