

Converting Colors

XYZ(77.3437, 81.2453, 95.3996)

Have a look what the booklet for
XYZ(77.3437, 81.2453, 95.3996)
contains.

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Color

**XYZ(77.4790, 81.3466,
95.6223)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E9F2
RGB	229, 233, 242
RGB Percent	90%, 91%, 95%
CMY	0.1020, 0.0863, 0.0510
CMYK	0.05, 0.04, 0.00, 0.05
HSL	222°, 33%, 92%
HSV	222°, 5%, 95%
XYZ	77.4790, 81.3466, 95.6223
YIQ	232.8300, -5.2730, 1.9510

Conversions

Conversions Part 2

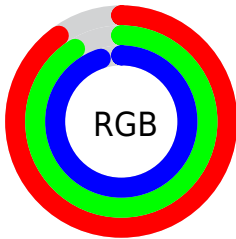
Format	Color
R _Y B	229, 232, 242
Decimal	15067634
CIE Lab	92.29, 0.32, -4.83
CIE LCh	92, 4.838, 273.849
Yxy	81.3466, 0.3045, 0.3197
Android (android.graphics.Color)	4293257714 (0xFFE5E9F2)
YUV	232.8300, 4.5208, -3.3589
Hunter-Lab	90.1924, -4.4976, 0.2751

Details

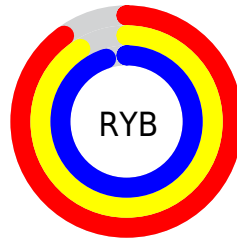
The XYZ color **77.4790, 81.3466, 95.6223** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.3356, 85.6827, 86.3816**, and the grayscale version is **77.2961, 81.3216, 88.5592**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0406, 43.9881, 52.7292** is the 20% darker color. If you saturate the color by 10%, you get **65.7714, 68.6059, 93.7814**, and if you desaturate by 10%, it is **90.7176, 95.5490, 97.6671**.

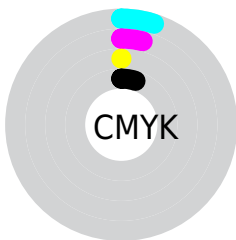
Distribution



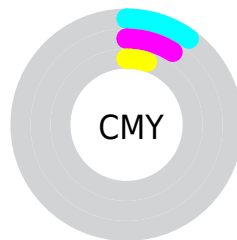
- Red (90%)
- Green (91%)
- Blue (95%)



- 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 77.4790, 81.3466, 95.6223 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 77.4790, 81.3466, 95.6223 by changing the saturation by 10% instead.

■ 77.4790, 81.3466,
95.6223

■ 77.4790, 81.3466,
95.6223

475.2626,
499.4595, 567.1904

■ 57.9474, 60.8271,
72.0533

128.7847,
135.2573, 157.1270

■ 42.0094, 44.0856,
52.7151

161.2894,
169.4174, 195.8998

■ 29.2998, 30.7378,
37.1892

198.8493,
208.8930, 240.5776

■ 19.4532, 20.3993,
25.0571

241.8296,
254.0687, 291.5789

■ 12.1041, 12.6856,
15.9002

290.5958,
305.3288, 349.3223

■ 6.8873, 7.2124,
9.3000

345.5131,

■ 3.4374, 3.5953,

363.0577, 414.2264

4.8379

406.9469,
427.6398, 486.7095

■ 1.3891, 1.4499,
2.0954

■ 0.2484, 0.2530,
0.6130

■ 77.4790, 81.3466,
95.6223

■ 77.4790, 81.3466,
95.6223

■ 65.7714, 68.6059,
93.7814

■ 90.7176, 95.5490,
97.6671

■ 55.5311, 57.2688,
92.1328

■ 93.0273, 99.1909,
98.2484

■ 46.7001, 47.2884,
90.6719

■ 39.2136, 38.6110,
89.3915

■ 33.0018, 31.1792,
88.2845

■ 27.9878, 24.9309,
87.3427

■ 24.0861, 19.7980,
86.5576

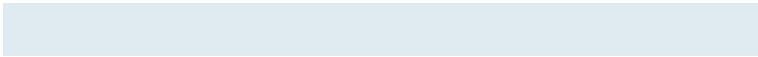
■ 21.1985, 15.7041,
85.9196

■ 19.2064, 12.5603,
85.4178

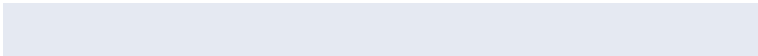
Harmonies

Analogous

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



76.2626, 81.3466, 94.8986



77.4790, 81.3466, 95.6223



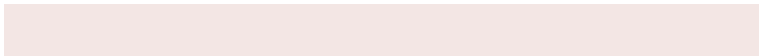
78.6645, 81.3466, 94.4155

Triad

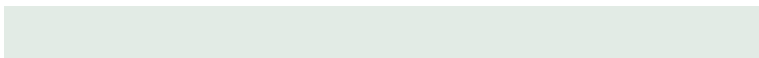
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4790, 81.3466, 95.6223



79.3316, 81.3466, 84.7922



75.1793, 81.3466, 85.5722

Complementary

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



77.4790, 81.3466, 95.6223



81.3356, 85.6827, 86.3816

Split Complementary

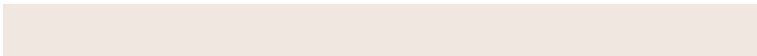
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9860, 81.3466, 82.9759



77.4790, 81.3466, 95.6223



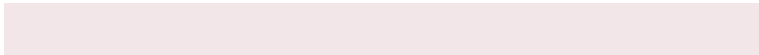
78.3821, 81.3466, 82.5342

Square

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



77.4790, 81.3466, 95.6223



79.7414, 81.3466, 88.1112



77.1562, 81.3466, 81.8782



74.9432, 81.3466, 89.0356

Rectangle

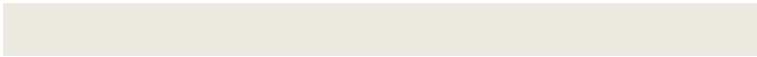
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



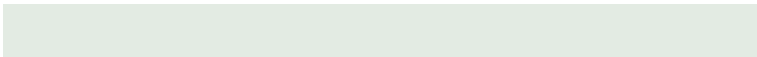
77.4790, 81.3466, 95.6223



79.2753, 81.3466, 92.6973



77.1562, 81.3466, 81.8782



75.3922, 81.3466, 84.5722

Sweetspot

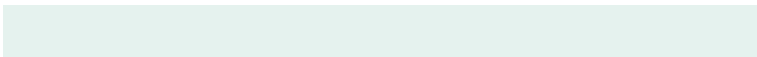
The Sweet Spot groups the original color and five complimentary colors.



77.4813, 81.3501, 95.6241



92.0829, 96.8143, 108.4415



79.4820, 86.3298, 93.2745



19.7406, 20.7557, 23.2158



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.



77.4813, 81.3501, 95.6241



86.3582, 90.6423, 107.5519



77.1265, 79.5036, 95.2864



16.0170, 16.8065, 20.1214



10.0505, 6.3252, 45.8190



0.9210, 0.6960, 3.8400

Inverse Universe

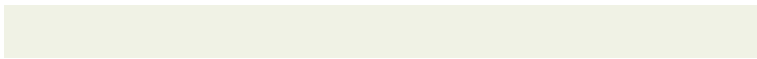
The Inverse Universe completely reimagines the original color for something new.



79.3471, 80.8006, 88.5088



88.7036, 89.9604, 98.6051



81.7014, 87.6210, 86.7365



16.4995, 16.6679, 18.2804



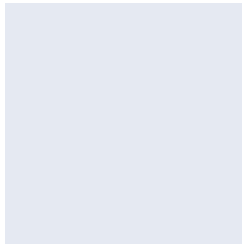
20.3986, 10.4319, 4.7498



1.7398, 0.8850, 0.6209

Previews

White Background



This preview shows how the XYZ color 77.4790, 81.3466, 95.6223 looks on a white background.

Color Contrast Check

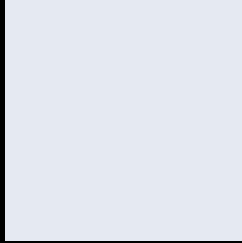
Large Text (above 18pt) WCAG AA × Fail

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 77.4790, 81.3466, 95.6223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

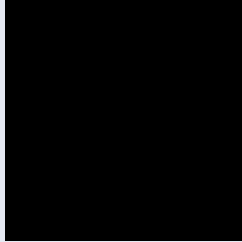
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

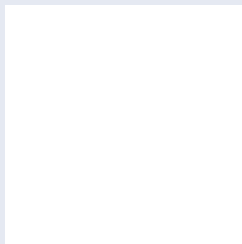
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4790, 81.3466, 95.6223

Background



This preview shows how black text looks on a background with the XYZ color 77.4790, 81.3466, 95.6223.



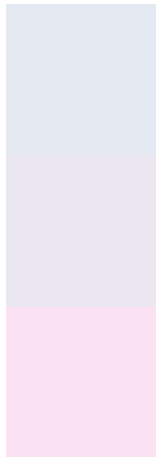
This preview shows how white text looks on a background with the XYZ color 77.4790, 81.3466,

95.6223.

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

77.4790, 81.3466, 95.6223

Protanopia

78.3848, 80.9951, 94.7214

Deuteranopia

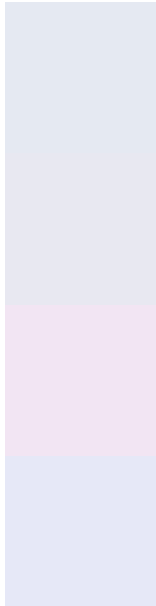
82.7984, 81.1878, 96.1009



Tritanopia

78.7451, 81.4383, 102.0113

Trichromacy



Original Color

77.4790, 81.3466, 95.6223

Protanomaly

78.0125, 81.2199, 94.7844

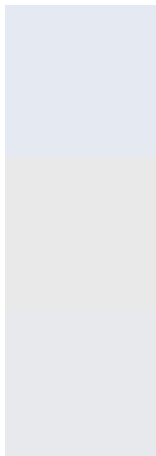
Deuteranomaly

80.8149, 81.3869, 96.2439

Tritanomaly

78.2782, 81.2516, 99.5531

Monochromacy



Original Color

77.4790, 81.3466, 95.6223

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 77.4790, 81.3466, 95.6223 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(229, 233, 242) looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 233, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 233, 242) }
```

Border

The CSS property to change the border of an element to XYZ 77.4790, 81.3466, 95.6223 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(229, 233, 242) }
```


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

```
.border{ border-color:rgb(229, 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(229, 233, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 233, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 233, 242);  
box-shadow:4px 4px 4px 4px rgb(229, 233,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4790, 81.3466, 95.6223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 233, 242) }
```

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

```
.background{ background-color: rgb(229,  
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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