

Converting Colors

XYZ(57.8456, 31.5483, 78.1337)

Have a look what the booklet for
XYZ(57.8456, 31.5483, 78.1337)
contains.

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Color

**XYZ(57.7762, 31.4796,
77.8939)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47E6
RGB	255, 71, 230
RGB Percent	100%, 28%, 90%
CMY	0.0000, 0.7215, 0.0980
CMYK	0.00, 0.72, 0.10, 0.00
HSL	308°, 100%, 64%
HSV	308°, 72%, 100%
XYZ	57.7762, 31.4796, 77.8939
YIQ	144.1420, 58.6250, 88.4570

Conversions

Conversions Part 2

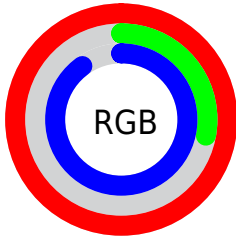
Format	Color
R_{YB}	255, 71, 230
Decimal	16730086
CIE _{Lab}	62.91, 83.42, -42.82
CIE _{LCh}	63, 93.769, 332.828
Yxy	31.4796, 0.3457, 0.1883
Android (android.graphics.Color)	4294920166 (0xFFFF47E6)
YUV	144.1420, 42.3280, 97.2225
Hunter-Lab	56.1067, 85.6248, -43.0387

Details

The XYZ color **57.7762, 31.4796, 77.8939** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **40.4710, 73.7046, 23.1619**, and the grayscale version is **26.3865, 27.7607, 30.2314**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **29.8881, 14.5253, 41.2728** is the 20% darker color. If you saturate the color by 10%, you get **55.9990, 28.6963, 74.9250**, and if you desaturate by 10%, it is **60.2440, 35.6288, 81.1415**.

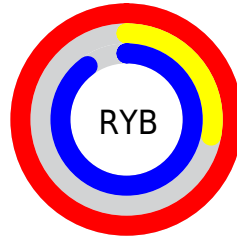
Distribution



Red (100%)

Green (28%)

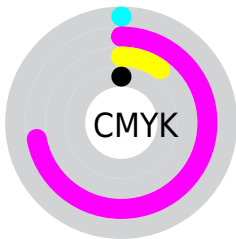
Blue (90%)



Red (100%)

Yellow (28%)

Blue (90%)

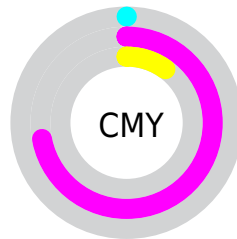


Cyan (0%)

Magenta (72%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (72%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7762, 31.4796, 77.8939 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 57.7762, 31.4796, 77.8939 by changing the saturation by 10% instead.


 57.7762, 31.4796,
77.8939


 57.7762, 31.4796,
77.8939


406.3188,
308.7418, 507.3248

 41.8713, 20.9643,
57.4709


 100.7217, 61.9944,
132.1851


 29.1912, 13.0979,
40.9715


 128.4931, 82.7627,
166.8903

 19.3705, 7.4960,
27.9773


 160.9506,
107.7174, 207.1933

 12.0439, 3.7742,
18.0697

 198.4597,
137.2430, 253.5127

 6.8460, 1.5481,
10.8301

241.3857,
171.7238, 306.2670

 3.4114, 0.3222,
5.8399

290.0940,

 1.3749, 0.0000,

211.5443, 365.8748

2.6808

344.9499,
257.0888, 432.7545

■ 0.2382, 0.0000,
0.9337

■ 0.0000, 0.0000,
0.0000

■ 57.7762, 31.4796,
77.8939

■ 57.7762, 31.4796,
77.8939

■ 55.9990, 28.6963,
74.9250

■ 60.2440, 35.6288,
81.1415

■ 54.8192, 27.0922,
72.2022

■ 63.4765, 41.2917,
84.6917

■ 54.2050, 26.4460,
70.2026

■ 67.5400, 48.6010,
88.5671

■ 72.4932, 57.6739,
92.7876

78.3893, 68.6169,
97.3712

85.2775, 81.5281,
102.3345

93.2034, 96.4987,
107.6931

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



45.4406, 31.4796, 134.9755



57.7762, 31.4796, 77.8939



62.0662, 31.4796, 30.8965

Triad

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



57.7762, 31.4796, 77.8939



28.7159, 31.4796, 1.0373



13.5716, 31.4796, 88.8397

Complementary

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



57.7762, 31.4796, 77.8939



40.4710, 73.7046, 23.1619

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.



11.3855, 31.4796, 37.8932



57.7762, 31.4796, 77.8939



18.4102, 31.4796, 2.5550

Square

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



57.7762, 31.4796, 77.8939



42.7031, 31.4796, 1.9843



12.8635, 31.4796, 11.0298



19.9830, 31.4796, 143.8851

Rectangle

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



57.7762, 31.4796, 77.8939



59.0140, 31.4796, 13.4772



12.8635, 31.4796, 11.0298



12.4172, 31.4796, 69.7791

Sweetspot

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



57.7768, 31.4809, 77.8945



78.4872, 68.7996, 97.4443



25.0796, 14.1897, 96.0248



16.4358, 14.0483, 20.5828



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.



57.7768, 31.4809, 77.8945



55.3590, 27.7845, 73.5767



48.1156, 27.6164, 27.0191



18.6802, 18.2554, 22.1992



28.3644, 13.8350, 36.8989



2.7898, 1.3583, 3.7406

Inverse Universe

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



57.7768, 31.4809, 77.8945



55.3590, 27.7845, 73.5767



47.3865, 76.4708, 59.5784



18.6802, 18.2554, 22.1992



28.3644, 13.8350, 36.8989



2.7898, 1.3583, 3.7406

Previews

White Background



This preview shows how the XYZ color 57.7762, 31.4796, 77.8939 looks on a white background.

Color Contrast Check

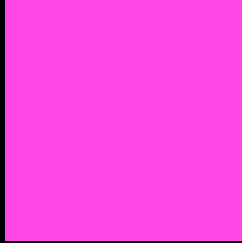
Large Text (above 18pt) WCAG AA × Fail

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 57.7762, 31.4796, 77.8939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

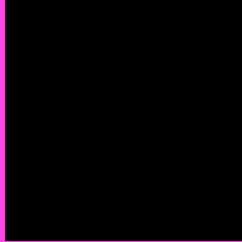
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.7762, 31.4796, 77.8939

Background



This preview shows how black text looks on a background with the XYZ color 57.7762, 31.4796, 77.8939.

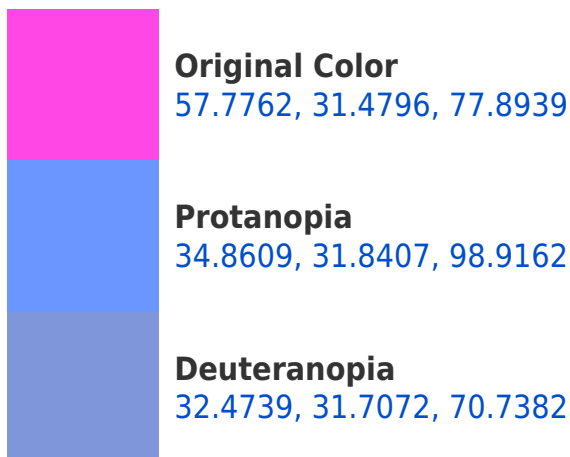


This preview shows how white text looks on a background with the XYZ color 57.7762, 31.4796,

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





Tritanopia

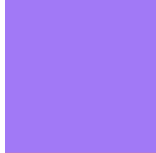
45.9293, 31.4313, 20.1691

Trichromacy



Original Color

57.7762, 31.4796, 77.8939



Protanomaly

38.1699, 27.9056, 90.5633



Deuteranomaly

37.5999, 28.1917, 72.5670



Tritanomaly

48.8894, 30.5752, 35.2231

Monochromacy



Original Color

57.7762, 31.4796, 77.8939



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

33.8663, 26.0081, 43.7925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7762, 31.4796, 77.8939 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(255, 71, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 230)  
}
```

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(255, 71, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 230) }
```

Border

The CSS property to change the border of an element to XYZ 57.7762, 31.4796, 77.8939 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(255, 71, 230) }
```


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

```
.border{ border-color:rgb(255, 71, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7762, 31.4796, 77.8939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 230) }
```

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

```
.background{ background-color: rgb(255, 71,  
230) }
```

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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