

Converting Colors

XYZ(79.9534, 46.2957, 63.6947)

Have a look what the booklet for
XYZ(79.9534, 46.2957, 63.6947)
contains.

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Color

**XYZ(56.7772, 34.3144,
62.6623)**

Conversions

Conversions Part 1

Format	Color
Hex	FF61CF
RGB	255, 97, 207
RGB Percent	100%, 38%, 81%
CMY	0.0000, 0.6196, 0.1882
CMYK	0.00, 0.62, 0.19, 0.00
HSL	318°, 100%, 69%
HSV	318°, 62%, 100%
XYZ	56.7772, 34.3144, 62.6623
YIQ	156.7820, 58.8580, 67.7060

Conversions

Conversions Part 2

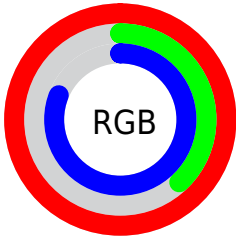
Format	Color
R _Y B	255, 97, 207
Decimal	16736719
CIE Lab	65.21, 71.05, -26.34
CIE LCh	65, 75.773, 339.659
Yxy	34.3144, 0.3693, 0.2232
Android (android.graphics.Color)	4294926799 (0xFFFF61CF)
YUV	156.7820, 24.7575, 86.1372
Hunter-Lab	58.5785, 70.4987, -22.4185

Details

The XYZ color **56.7772, 34.3144, 62.6623** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.8021, 76.1064, 39.0672**, and the grayscale version is **31.8252, 33.4826, 36.4626**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **28.5884, 14.6996, 31.0363** is the 20% darker color. If you saturate the color by 10%, you get **53.8640, 29.9667, 57.1324**, and if you desaturate by 10%, it is **60.4955, 40.1976, 68.6906**.

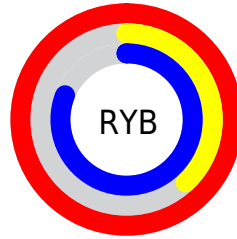
Distribution



Red (100%)

Green (38%)

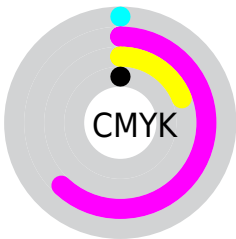
Blue (81%)



Red (100%)

Yellow (38%)

Blue (81%)

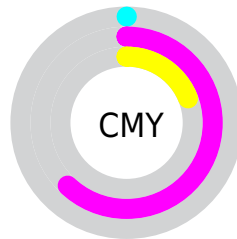


Cyan (0%)

Magenta (62%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (62%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7772, 34.3144, 62.6623 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 56.7772, 34.3144, 62.6623 by changing the saturation by 10% instead.


 56.7772, 34.3144,
62.6623

 56.7772, 34.3144,
62.6623


402.6416,
321.5317, 452.4170

 41.0658, 23.1352,
45.1288


 99.2733, 66.4223,
110.2630


 28.5584, 14.6934,
31.2152


 126.7887, 88.1198,
141.1674

 18.8896, 8.6045,
20.5030


 158.9694,
114.0922, 177.3657

 11.6941, 4.4841,
12.5735

 196.1810,
144.7239, 219.2767

 6.6064, 1.9479,
7.0082

238.7886,
180.3993, 267.3187

 3.2613, 0.5769,
3.3887

287.1577,

 1.2934, 0.0000,

221.5028, 321.9105

1.2964

341.6536,
268.4188, 383.4704

■ 0.1783, 0.0000,
0.0588

■ 0.0000, 0.0000,
0.0000

■ 56.7772, 34.3144,
62.6623

■ 56.7772, 34.3144,
62.6623

■ 53.8640, 29.9667,
57.1324

■ 60.4955, 40.1976,
68.6906

■ 51.6771, 26.9986,
52.0704


■ 65.0825, 47.7429,
75.2406


■ 50.1257, 25.2290,
47.4429

■ 70.5982, 57.0693,
82.3358

■ 49.2286, 24.4554,
43.9974

■ 77.0964, 68.2831,
89.9971

 84.6266, 81.4826,
98.2442

 93.2350, 96.7591,
107.0952

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.



48.0855, 34.3144, 106.2164



56.7772, 34.3144, 62.6623



58.2668, 34.3144, 28.0813

Triad

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



56.7772, 34.3144, 62.6623



29.1887, 34.3144, 3.7934



18.8757, 34.3144, 90.9848

Complementary

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



56.7772, 34.3144, 62.6623



45.8021, 76.1064, 39.0672

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.



15.8739, 34.3144, 48.4920



56.7772, 34.3144, 62.6623



20.8789, 34.3144, 7.4183

Square

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



56.7772, 34.3144, 62.6623



40.5449, 34.3144, 4.4657



16.5138, 34.3144, 19.9953



25.7927, 34.3144, 127.9774

Rectangle

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



56.7772, 34.3144, 62.6623



54.6988, 34.3144, 14.6673



16.5138, 34.3144, 19.9953



17.4549, 34.3144, 76.1333

Sweetspot

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



56.7780, 34.3160, 62.6629



79.2138, 71.9759, 92.3743



33.8981, 21.7368, 97.0167



16.5164, 14.6408, 19.2796



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.



56.7780, 34.3160, 62.6629



53.3609, 29.2536, 56.0614



49.4518, 31.3855, 24.0837



18.5438, 18.2008, 21.4809



25.7925, 12.8063, 23.3558



2.5600, 1.2664, 2.5302

Inverse Universe

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



56.7780, 34.3160, 62.6629



53.3609, 29.2536, 56.0614



54.0642, 79.4113, 82.5747



18.5438, 18.2008, 21.4809



25.7925, 12.8063, 23.3558



2.5600, 1.2664, 2.5302

Previews

White Background



This preview shows how the XYZ color 56.7772, 34.3144, 62.6623 looks on a white background.

Color Contrast Check

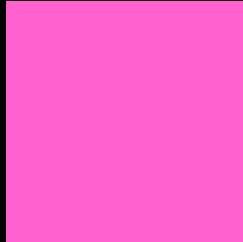
Large Text (above 18pt) WCAG AA × Fail

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 56.7772, 34.3144, 62.6623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

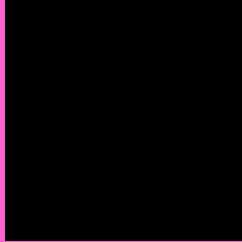
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7772, 34.3144, 62.6623

Background



This preview shows how black text looks on a background with the XYZ color 56.7772, 34.3144, 62.6623.



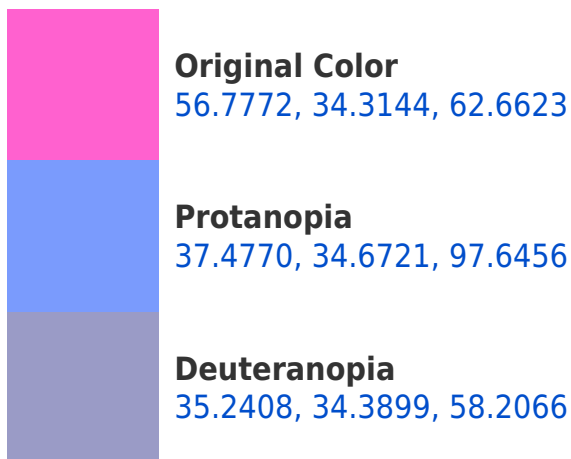
This preview shows how white text looks on a background with the XYZ color 56.7772, 34.3144,

62.6623.

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

48.6021, 34.2374, 23.7855

Trichromacy



Original Color

56.7772, 34.3144, 62.6623



Protanomaly

40.2430, 31.6524, 83.3454



Deuteranomaly

40.5536, 32.3436, 59.3639



Tritanomaly

50.9167, 33.8424, 34.8590

Monochromacy



Original Color

56.7772, 34.3144, 62.6623



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

38.3942, 31.7605, 44.6642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7772, 34.3144, 62.6623 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, 97, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 207)  
}
```

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, 97, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 207) }
```

Border

The CSS property to change the border of an element to XYZ 56.7772, 34.3144, 62.6623 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, 97, 207) }
```


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

```
.border{ border-color:rgb(255, 97, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7772, 34.3144, 62.6623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 207) }
```

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

```
.background{ background-color: rgb(255, 97,  
207) }
```

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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