

Converting Colors

XYZ(80.5860, 46.8747, 62.7830)

Have a look what the booklet for
XYZ(80.5860, 46.8747, 62.7830)
contains.

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Color

**XYZ(56.7213, 34.5915,
61.4449)**

Conversions

Conversions Part 1

Format	Color
Hex	FF63CD
RGB	255, 99, 205
RGB Percent	100%, 39%, 80%
CMY	0.0000, 0.6117, 0.1961
CMYK	0.00, 0.61, 0.20, 0.00
HSL	319°, 100%, 69%
HSV	319°, 61%, 100%
XYZ	56.7213, 34.5915, 61.4449
YIQ	157.7280, 58.9500, 66.0380

Conversions

Conversions Part 2

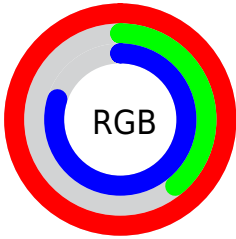
Format	Color
R _{YB}	255, 99, 205
Decimal	16737229
CIE _{Lab}	65.43, 69.97, -24.88
CIE _{LCh}	65, 74.261, 340.426
Yxy	34.5915, 0.3713, 0.2264
Android (android.graphics.Color)	4294927309 (0xFFFF63CD)
YUV	157.7280, 23.3051, 85.3075
Hunter-Lab	58.8145, 69.2217, -20.7714

Details

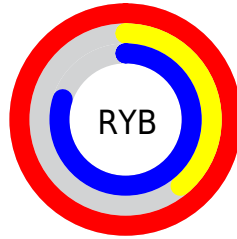
The XYZ color **56.7213, 34.5915, 61.4449** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.3320, 76.3433, 40.7309**, and the grayscale version is **32.2570, 33.9368, 36.9572**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **28.6354, 14.9242, 30.6496** is the 20% darker color. If you saturate the color by 10%, you get **53.7143, 30.1155, 55.7014**, and if you desaturate by 10%, it is **60.5439, 40.6160, 67.7153**.

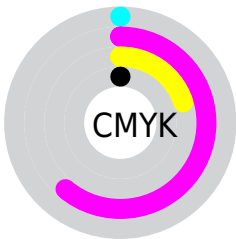
Distribution



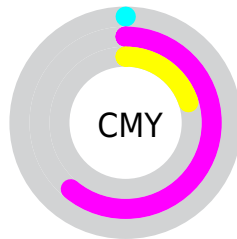
- Red (100%)
- Green (39%)
- Blue (80%)



- Red (100%)
- Yellow (39%)
- Blue (80%)



- Cyan (0%)
- Magenta (61%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7213, 34.5915, 61.4449 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 56.7213, 34.5915, 61.4449 by changing the saturation by 10% instead.


 56.7213, 34.5915,
61.4449


 56.7213, 34.5915,
61.4449

402.4352,
322.7615, 447.8550


 41.0208, 23.3484,
44.1514

 99.1921, 66.8524,
108.4867


 28.5231, 14.8510,
30.4515


 126.6931, 88.6391,
139.0720

 18.8628, 8.7148,
19.9266


 158.8584,
114.7090, 174.9251

 11.6746, 4.5557,
12.1581


 196.0532,
145.4465, 216.4644

 6.5931, 1.9890,
6.7276

238.6429,
181.2362, 264.1085

 3.2530, 0.6011,
3.2165

286.9929,

 1.2889, 0.0000,

222.4623, 318.2760

1.2062

341.4686,
269.5093, 379.3853

■ 0.1749, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7213, 34.5915,
61.4449

■ 56.7213, 34.5915,
61.4449

■ 53.7143, 30.1155,
55.7014

■ 60.5439, 40.6160,
67.7153

■ 51.4451, 27.0337,
50.4539


■ 65.2452, 48.3144,
74.5364


■ 49.8240, 25.1684,
45.6690

■ 70.8848, 57.8045,
81.9320

■ 48.8086, 24.2874,
41.7856

■ 77.5164, 69.1923,
89.9235

 85.1891, 82.5754,
98.5311

 93.9491, 98.0445,
107.7733

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.



48.3526, 34.5915, 103.9392



56.7213, 34.5915, 61.4449



57.9694, 34.5915, 27.8505

Triad

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



56.7213, 34.5915, 61.4449



29.2443, 34.5915, 4.1599



19.4133, 34.5915, 91.2350

Complementary

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



56.7213, 34.5915, 61.4449



46.3320, 76.3433, 40.7309

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.



16.3285, 34.5915, 49.5488



56.7213, 34.5915, 61.4449



21.1172, 34.5915, 8.0281

Square

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



56.7213, 34.5915, 61.4449



40.3769, 34.5915, 4.7540



16.8747, 34.5915, 20.9799



26.3706, 34.5915, 126.7045

Rectangle

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



56.7213, 34.5915, 61.4449



54.3555, 34.5915, 14.7805



16.8747, 34.5915, 20.9799



17.9667, 34.5915, 76.7639

Sweetspot

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



56.7222, 34.5931, 61.4455



79.8360, 73.2184, 92.5872



34.7989, 22.4791, 97.1125



16.6320, 14.8798, 19.2941



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.



56.7222, 34.5931, 61.4455



53.2471, 29.4531, 54.7066



49.5731, 31.7335, 23.7991



18.5304, 18.1955, 21.4102



25.5747, 12.7192, 22.2084



2.5400, 1.2584, 2.4251

Inverse Universe

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



56.7222, 34.5931, 61.4455



53.2471, 29.4531, 54.7066



54.6892, 79.6862, 84.7393



18.5304, 18.1955, 21.4102



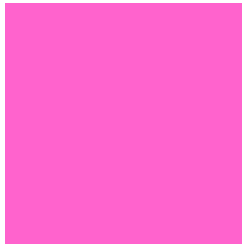
25.5747, 12.7192, 22.2084



2.5400, 1.2584, 2.4251

Previews

White Background



This preview shows how the XYZ color 56.7213, 34.5915, 61.4449 looks on a white background.

Color Contrast Check

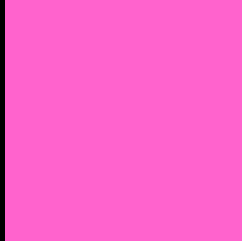
Large Text (above 18pt) WCAG AA × Fail

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 56.7213, 34.5915, 61.4449 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 56.7213, 34.5915, 61.4449

Background



This preview shows how black text looks on a background with the XYZ color 56.7213, 34.5915, 61.4449.



This preview shows how white text looks on a background with the XYZ color 56.7213, 34.5915,

61.4449.

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

56.7213, 34.5915, 61.4449

Protanopia

37.4448, 34.9765, 94.4001

Deuteranopia

35.5626, 34.8304, 57.0731



Tritanopia

49.0206, 34.4456, 24.1437

Trichromacy



Original Color

56.7213, 34.5915, 61.4449



Protanomaly

40.3852, 31.9818, 81.1354



Deuteranomaly

40.7110, 32.6579, 58.1907



Tritanomaly

51.3845, 34.2447, 34.9120

Monochromacy



Original Color

56.7213, 34.5915, 61.4449



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.6758, 32.3239, 44.7581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7213, 34.5915, 61.4449 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, 99, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 205)  
}
```

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, 99, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 205) }
```

Border

The CSS property to change the border of an element to XYZ 56.7213, 34.5915, 61.4449 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, 99, 205) }
```


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

```
.border{ border-color:rgb(255, 99, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7213, 34.5915, 61.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 205) }
```

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

```
.background{ background-color: rgb(255, 99,  
205) }
```

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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