

Converting Colors

XYZ(57.2942, 34.8890, 64.2510)

Have a look what the booklet for
XYZ(57.2942, 34.8890, 64.2510)
contains.

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Color

**XYZ(57.2105, 34.7871,
64.0209)**

Conversions

Conversions Part 1

Format	Color
Hex	FF63D1
RGB	255, 99, 209
RGB Percent	100%, 39%, 82%
CMY	0.0000, 0.6117, 0.1804
CMYK	0.00, 0.61, 0.18, 0.00
HSL	318°, 100%, 69%
HSV	318°, 61%, 100%
XYZ	57.2105, 34.7871, 64.0209
YIQ	158.1840, 57.6660, 67.2820

Conversions

Conversions Part 2

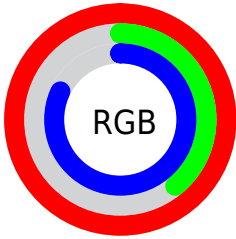
Format	Color
R_{YB}	255, 99, 209
Decimal	16737233
CIE _{Lab}	65.58, 70.52, -26.89
CIE _{LCh}	66, 75.470, 339.125
Yxy	34.7871, 0.3667, 0.2230
Android (android.graphics.Color)	4294927313 (0xFFFF63D1)
YUV	158.1840, 25.0523, 84.9076
Hunter-Lab	58.9806, 69.9269, -23.0703

Details

The XYZ color **57.2105, 34.7871, 64.0209** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.0178, 76.2176, 39.0770**, and the grayscale version is **32.4558, 34.1460, 37.1850**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **28.8549, 14.9682, 31.9402** is the 20% darker color. If you saturate the color by 10%, you get **54.2554, 30.3318, 58.5506**, and if you desaturate by 10%, it is **60.9735, 40.7877, 69.9781**.

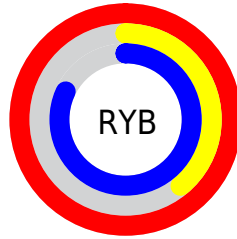
Distribution



Red (100%)

Green (39%)

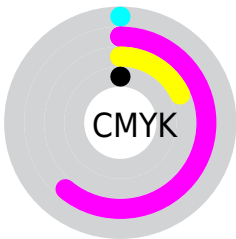
Blue (82%)



Red (100%)

Yellow (39%)

Blue (82%)

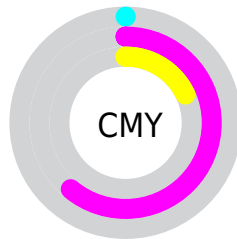


Cyan (0%)

Magenta (61%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.2105, 34.7871, 64.0209 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 57.2105, 34.7871, 64.0209 by changing the saturation by 10% instead.


 57.2105, 34.7871,
64.0209


 57.2105, 34.7871,
64.0209


404.2391,
323.6276, 457.4746

 41.4151, 23.4989,
46.2213

 99.9019, 67.1558,
112.2408


 28.8327, 14.9623,
32.0706


 127.5285, 89.0052,
143.4982

 19.0979, 8.7930,
21.1501


 159.8296,
115.1437, 180.0786

 11.8455, 4.6064,
13.0415

 197.1704,
145.9557, 222.4005

 6.7100, 2.0182,
7.3261

239.9165,
181.8258, 270.8826

 3.3261, 0.6180,
3.5853

288.4330,

 1.3285, 0.0000,

223.1382, 325.9432

1.4007

343.0854,
270.2773, 388.0011

■ 0.2044, 0.0000,
0.1423

■ 0.0000, 0.0000,
0.0000

■ 57.2105, 34.7871,
64.0209

■ 57.2105, 34.7871,
64.0209

■ 54.2554, 30.3318,
58.5506

■ 60.9735, 40.7877,
69.9781

■ 52.0306, 27.2679,
53.5373


■ 65.6075, 48.4592,
76.4449


■ 50.4467, 25.4174,
48.9484

■ 71.1719, 57.9192,
83.4444

■ 49.4584, 24.5473,
45.2073

■ 77.7201, 69.2736,
90.9971

 85.3012, 82.6199,
99.1223

 93.9611, 98.0490,
107.8378

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.



48.3986, 34.7871, 107.5938



57.2105, 34.7871, 64.0209



58.8517, 34.7871, 29.0080

Triad

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



57.2105, 34.7871, 64.0209



29.8017, 34.7871, 3.9387



19.1461, 34.7871, 90.8441

Complementary

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



57.2105, 34.7871, 64.0209



46.0178, 76.2176, 39.0770

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.



16.1844, 34.7871, 48.3918



57.2105, 34.7871, 64.0209



21.3680, 34.7871, 7.5350

Square

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



57.2105, 34.7871, 64.0209



41.2449, 34.7871, 4.6971



16.8952, 34.7871, 20.0409



26.0436, 34.7871, 128.1748

Rectangle

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



57.2105, 34.7871, 64.0209



55.3654, 34.7871, 15.2778



16.8952, 34.7871, 20.0409



17.7360, 34.7871, 75.9750

Sweetspot

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



57.2113, 34.7886, 64.0215



80.0117, 73.2887, 93.5127



33.8759, 22.0032, 97.0693



16.6752, 14.8971, 19.5214



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.



57.2113, 34.7886, 64.0215



53.7968, 29.6730, 57.6016



49.9228, 31.8733, 25.6411



18.5510, 18.2037, 21.5187



25.9117, 12.8540, 23.9831



2.5708, 1.2707, 2.5875

Inverse Universe

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



57.2113, 34.7886, 64.0215



53.7968, 29.6730, 57.6016



53.9845, 79.4043, 81.0289



18.5510, 18.2037, 21.5187



25.9117, 12.8540, 23.9831



2.5708, 1.2707, 2.5875

Previews

White Background



This preview shows how the XYZ color 57.2105, 34.7871, 64.0209 looks on a white background.

Color Contrast Check

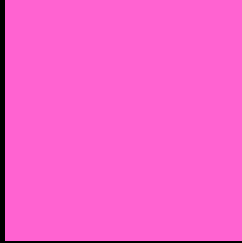
Large Text (above 18pt) WCAG AA × Fail

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 57.2105, 34.7871, 64.0209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

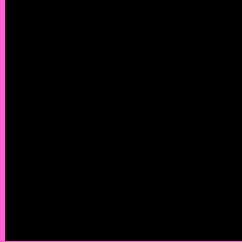
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.2105, 34.7871, 64.0209

Background



This preview shows how black text looks on a background with the XYZ color 57.2105, 34.7871, 64.0209.



This preview shows how white text looks on a background with the XYZ color 57.2105, 34.7871,

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

57.2105, 34.7871, 64.0209

Protanopia

37.9462, 35.1436, 98.5494

Deuteranopia

35.6402, 34.8171, 59.4855



Tritanopia

48.8509, 34.5263, 24.5116

Trichromacy



Original Color

57.2105, 34.7871, 64.0209



Protanomaly

40.8912, 32.1589, 84.9410



Deuteranomaly

40.9293, 32.7161, 60.6575



Tritanomaly

51.3043, 34.3467, 35.8238

Monochromacy



Original Color

57.2105, 34.7871, 64.0209



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.8738, 32.4031, 45.8005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2105, 34.7871, 64.0209 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 209) }
```

Border

The CSS property to change the border of an element to XYZ 57.2105, 34.7871, 64.0209 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, 209) }
```


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

```
.border{ border-color:rgb(255, 99, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2105, 34.7871, 64.0209 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, 209) }
```

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

```
.background{ background-color: rgb(255, 99,  
209) }
```

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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