

Converting Colors

XYZ(55.8334, 33.5001, 71.3299)

Have a look what the booklet for
XYZ(55.8334, 33.5001, 71.3299)
contains.

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Color

**XYZ(55.8125, 33.4895,
71.2326)**

Conversions

Conversions Part 1

Format	Color
Hex	F860DC
RGB	248, 96, 220
RGB Percent	97%, 38%, 86%
CMY	0.0274, 0.6235, 0.1373
CMYK	0.00, 0.61, 0.11, 0.03
HSL	311°, 92%, 67%
HSV	311°, 61%, 97%
XYZ	55.8125, 33.4895, 71.2326
YIQ	155.5840, 50.7880, 70.7880

Conversions

Conversions Part 2

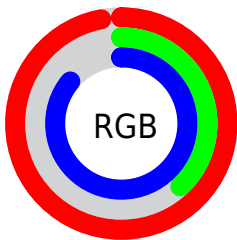
Format	Color
R _{YB}	248, 96, 220
Decimal	16277724
CIE _{Lab}	64.56, 71.48, -34.73
CIE _{LCh}	65, 79.469, 334.083
Y _{xy}	33.4895, 0.3477, 0.2086
Android (android.graphics.Color)	4294467804 (0xFFFF860DC)
YUV	155.5840, 31.7571, 81.0488
Hunter-Lab	57.8701, 70.8806, -32.4713

Details

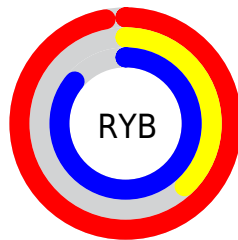
The XYZ color **55.8125, 33.4895, 71.2326** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **42.0310, 71.0780, 30.5756**, and the grayscale version is **31.2637, 32.8919, 35.8193**.

A 20% lighter version of the original color is **70.8456, 51.5912, 100.8319**, and **27.9225, 14.1918, 36.8649** is the 20% darker color. If you saturate the color by 10%, you get **53.2995, 29.4181, 67.4504**, and if you desaturate by 10%, it is **59.0577, 38.9975, 75.3410**.

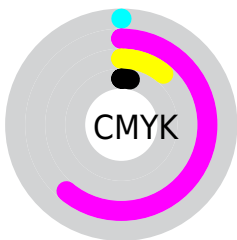
Distribution



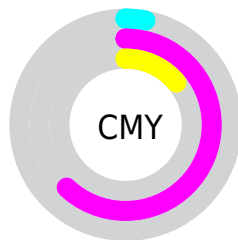
- Red (97%)
- Green (38%)
- Blue (86%)



- Red (97%)
- Yellow (38%)
- Blue (86%)



- Cyan (0%)
- Magenta (61%)
- Yellow (11%)
- Black (3%)





- Cyan (3%)
- Magenta (62%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8125, 33.4895, 71.2326 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 55.8125, 33.4895, 71.2326 by changing the saturation by 10% instead.


 55.8125, 33.4895,
71.2326


 55.8125, 33.4895,
71.2326


399.0710,
317.8497, 483.7717


 40.2890, 22.5017,
52.0490


 97.8718, 65.1390,
122.6624


 27.9492, 14.2260,
36.6617


 125.1383, 86.5695,
155.7457

 18.4276, 8.2780,
24.6519


 157.0499,
112.2497, 194.2994

 11.3590, 4.2734,
15.6012

 193.9718,
142.5640, 238.7419

 6.3779, 1.8276,
9.0911

236.2696,
177.8967, 289.4919

 3.1190, 0.5043,
4.7031

284.3085,

 1.2170, 0.0000,

218.6323, 346.9678

2.0184

338.4538,
265.1552, 411.5882

■ 0.1197, 0.0000,
0.5666

■ 0.0000, 0.0000,
0.0000

■ 55.8125, 33.4895,
71.2326

■ 55.8125, 33.4895,
71.2326

■ 53.2995, 29.4181,
67.4504

■ 59.0577, 38.9975,
75.3410

■ 51.4454, 26.6389,
63.9685

■ 63.0924, 46.0585,
79.7946


■ 50.1676, 24.9861,
60.7589


■ 67.9722, 54.7829,
84.6128

■ 49.4096, 24.2358,
58.1460

■ 73.7466, 65.2694,
89.8126

 80.4612, 77.6089,
95.4099

 88.1584, 91.8864,
101.4194

 92.0395, 98.5037,
106.2422

 92.5217, 98.6966,
108.7817

Harmonies

Analogous

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



45.7166, 33.4895, 116.7520



55.8125, 33.4895, 71.2326



58.9862, 33.4895, 32.1863

Triad

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



55.8125, 33.4895, 71.2326



30.2997, 33.4895, 2.8845



16.9440, 33.4895, 83.9907

Complementary

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



55.8125, 33.4895, 71.2326



42.0310, 71.0780, 30.5756

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.



14.6288, 33.4895, 41.1057



55.8125, 33.4895, 71.2326



21.0867, 33.4895, 5.3100

Square

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



55.8125, 33.4895, 71.2326



42.3703, 33.4895, 4.1694



15.9422, 33.4895, 15.3787



23.2023, 33.4895, 126.7048

Rectangle

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



55.8125, 33.4895, 71.2326



56.2433, 33.4895, 16.4220



15.9422, 33.4895, 15.3787



15.7566, 33.4895, 68.4342

Sweetspot

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



55.8136, 33.4911, 71.2333



80.7832, 73.5973, 97.5754



29.4208, 19.4201, 91.0055



16.8652, 14.9731, 20.5218



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.



55.8136, 33.4911, 71.2333



56.1555, 30.3715, 70.7777



47.9400, 30.3416, 29.7710



17.8478, 17.4665, 21.0543



26.7394, 13.1115, 31.6660



2.5109, 1.2281, 3.1139

Inverse Universe

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



55.8136, 33.4911, 71.2333



56.1555, 30.3715, 70.7777



48.8025, 73.7866, 66.2339



17.8478, 17.4665, 21.0543



26.7394, 13.1115, 31.6660



2.5109, 1.2281, 3.1139

Previews

White Background



This preview shows how the XYZ color 55.8125, 33.4895, 71.2326 looks on a white background.

Color Contrast Check

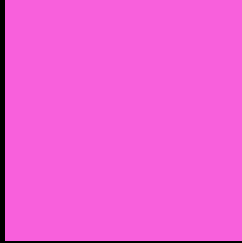
Large Text (above 18pt) WCAG AA × Fail

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 55.8125, 33.4895, 71.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

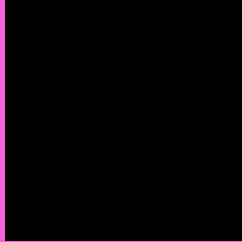
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8125, 33.4895, 71.2326

Background



This preview shows how black text looks on a background with the XYZ color 55.8125, 33.4895, 71.2326.

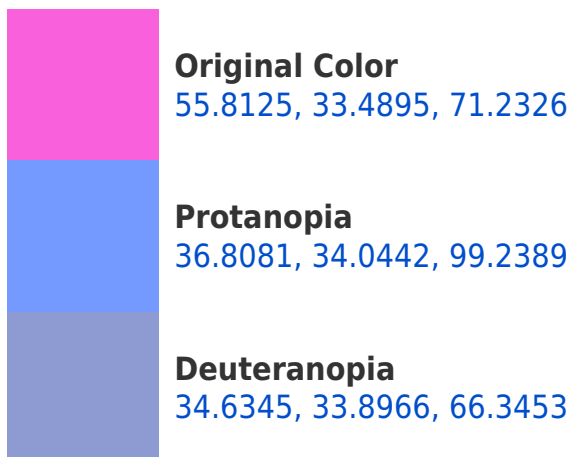


This preview shows how white text looks on a background with the XYZ color 55.8125, 33.4895,

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

46.2755, 33.3686, 24.7707

Trichromacy



Original Color

55.8125, 33.4895, 71.2326



Protanomaly

39.7244, 31.0784, 87.9094



Deuteranomaly

39.7188, 31.7290, 67.6492



Tritanomaly

48.8240, 32.8548, 37.9507

Monochromacy



Original Color

55.8125, 33.4895, 71.2326



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

37.6480, 31.1237, 46.6710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8125, 33.4895, 71.2326 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(248, 96, 220)` looks like.

```
.text, #text, p{  
    color:rgb(248, 96, 220)  
}
```

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(248, 96, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 96, 220) }
```

Border

The CSS property to change the border of an element to XYZ 55.8125, 33.4895, 71.2326 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(248, 96, 220) }
```


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

```
.border{ border-color:rgb(248, 96, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 96, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 96, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 96, 220);  
box-shadow:4px 4px 4px 4px rgb(248, 96,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8125, 33.4895, 71.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 96, 220) }
```

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

```
.background{ background-color: rgb(248, 96,  
220) }
```

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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