

Converting Colors

XYZ(52.2546, 33.7085, 72.0397)

Have a look what the booklet for
XYZ(52.2546, 33.7085, 72.0397)
contains.

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Color

**XYZ(52.2313, 33.6960,
72.1577)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E96EDD |
| RGB | 233, 110, 221 |
| RGB Percent | 91%, 43%, 87% |
| CMY | 0.0863, 0.5686, 0.1333 |
| CMYK | 0.00, 0.53, 0.05, 0.09 |
| HSL | 306°, 74%, 67% |
| HSV | 306°, 53%, 91% |
| XYZ | 52.2313, 33.6960, 72.1577 |
| YIQ | 159.4310, 37.6770, 60.5970 |

Conversions

Conversions Part 2

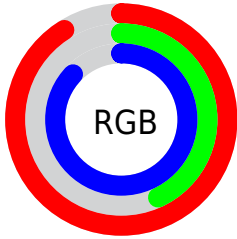
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 233, 110, 221 |
| Decimal | 15298269 |
| CIE _{Lab} | 64.72, 61.61, -35.20 |
| CIE _{LCh} | 65, 70.955, 330.262 |
| Yxy | 33.6960, 0.3304, 0.2132 |
| Android (android.graphics.Color) | 4293488349 (0xFFE96EDD) |
| YUV | 159.4310, 30.3535, 64.5200 |
| Hunter-Lab | 58.0483, 59.0283, -33.0675 |

Details

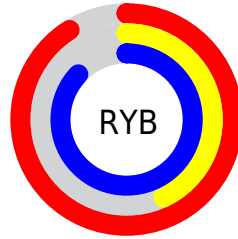
The XYZ color **52.2313, 33.6960, 72.1577** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.0837, 62.9991, 28.5147**, and the grayscale version is **33.0064, 34.7253, 37.8159**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **25.8352, 14.4133, 37.4968** is the 20% darker color. If you saturate the color by 10%, you get **49.7394, 29.1929, 69.8430**, and if you desaturate by 10%, it is **55.3904, 39.5254, 74.7156**.

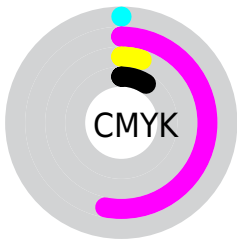
Distribution



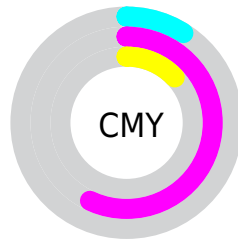
- Red (91%)
- Green (43%)
- Blue (87%)



- Red (91%)
- Yellow (43%)
- Blue (87%)



- Cyan (0%)
- Magenta (53%)
- Yellow (5%)
- Black (9%)





- Cyan (9%)
- Magenta (57%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2313, 33.6960, 72.1577 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 52.2313, 33.6960, 72.1577 by changing the saturation by 10% instead.


 52.2313, 33.6960,
72.1577


 52.2313, 33.6960,
72.1577

385.6382,
318.7744, 487.0826


 37.4145, 22.6602,
52.7999

 92.6445, 65.4606,
123.9905

 25.7037, 14.3428,
37.2564


 118.9716, 86.9582,
157.3026

 16.7336, 8.3595,
25.1087


 149.8661,
112.7119, 196.1032

 10.1389, 4.3258,
15.9383

185.6935,
143.1059, 240.8108

 5.5541, 1.8574,
9.3266

226.8190,
178.5248, 291.8440

 2.6140, 0.5226,
4.8551

273.6081,

 0.9531, 0.0000,

219.3529, 349.6214

2.1053

326.4260,
265.9747, 414.5614

■ 0.0000, 0.0000,
0.6189

■ 0.0000, 0.0000,
0.0000

■ 52.2313, 33.6960,
72.1577

■ 52.2313, 33.6960,
72.1577

■ 49.7394, 29.1929,
69.8430

■ 55.3904, 39.5254,
74.7156

■ 47.8581, 25.9054,
67.7517


■ 59.2605, 46.7710,
77.5306


■ 46.5277, 23.7128,
65.8641


■ 63.8857, 55.5202,
80.6177


■ 45.6740, 22.4675,
64.1554


■ 69.3055, 65.8519,
83.9900


 45.2708, 21.9903,
63.0062

 75.5567, 77.8397,
87.6601

 82.6738, 91.5526,
91.6394

 84.6381, 94.9532,
93.9218

 84.9723, 95.0869,
95.6817

 85.3107, 95.2222,
97.4638

Harmonies

Analogous

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



42.9513, 33.6960, 109.6354



52.2313, 33.6960, 72.1577



55.8885, 33.6960, 36.4331

Triad

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



52.2313, 33.6960, 72.1577



31.9375, 33.6960, 4.3210



17.9090, 33.6960, 72.8578

Complementary

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



52.2313, 33.6960, 72.1577



39.0837, 62.9991, 28.5147

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.



16.1573, 33.6960, 36.9465



52.2313, 33.6960, 72.1577



23.1325, 33.6960, 6.4308

Square

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



52.2313, 33.6960, 72.1577



42.7628, 33.6960, 6.3508



17.8482, 33.6960, 15.2997



23.2577, 33.6960, 110.1688

Rectangle

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



52.2313, 33.6960, 72.1577



54.1497, 33.6960, 20.4847



17.8482, 33.6960, 15.2997



16.9378, 33.6960, 59.7564

Sweetspot

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



52.2324, 33.6975, 72.1584



82.7528, 76.4207, 101.6718



28.0660, 21.0479, 79.6749



17.4151, 15.7900, 21.5777



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.



52.2324, 33.6975, 72.1584



60.9021, 35.5791, 85.5714



45.6367, 31.0592, 37.4256



15.6478, 15.2870, 18.6964



25.7132, 12.4880, 35.8868



2.0375, 0.9880, 2.9149

Inverse Universe

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



52.2324, 33.6975, 72.1584



60.9021, 35.5791, 85.5714



43.9884, 64.9610, 54.3427



15.6478, 15.2870, 18.6964



25.7132, 12.4880, 35.8868



2.0375, 0.9880, 2.9149

Previews

White Background



This preview shows how the XYZ color 52.2313, 33.6960, 72.1577 looks on a white background.

Color Contrast Check

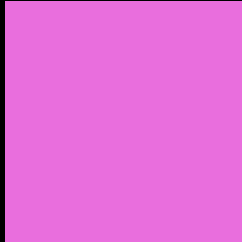
Large Text (above 18pt) WCAG AA × Fail

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 52.2313, 33.6960, 72.1577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

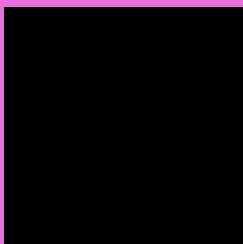
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2313, 33.6960, 72.1577

Background



This preview shows how black text looks on a background with the XYZ color 52.2313, 33.6960, 72.1577.

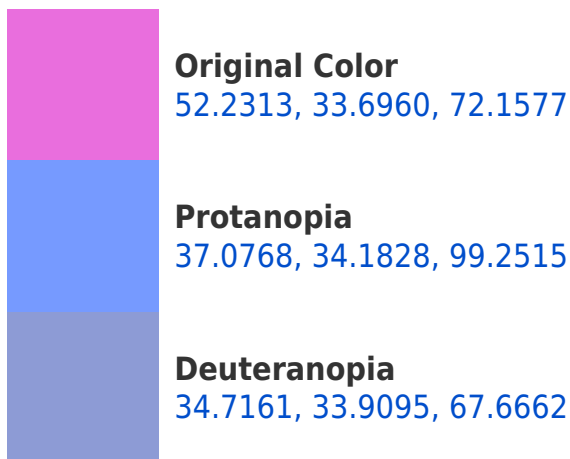


This preview shows how white text looks on a background with the XYZ color 52.2313, 33.6960,

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

43.3833, 33.6766, 28.6398

Trichromacy



Original Color

52.2313, 33.6960, 72.1577



Protanomaly

39.7633, 32.1216, 88.8984



Deuteranomaly

39.0828, 32.4218, 69.1639



Tritanomaly

45.9229, 33.3614, 41.5551

Monochromacy



Original Color

52.2313, 33.6960, 72.1577



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

38.2181, 32.8663, 48.5855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2313, 33.6960, 72.1577 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(233, 110, 221)` looks like.

```
.text, #text, p{  
    color:rgb(233, 110, 221)  
}
```

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(233, 110, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 110, 221) }
```

Border

The CSS property to change the border of an element to XYZ 52.2313, 33.6960, 72.1577 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(233, 110, 221) }
```


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

```
.border{ border-color:rgb(233, 110, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 110, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 110, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 110, 221);  
box-shadow:4px 4px 4px 4px rgb(233, 110,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2313, 33.6960, 72.1577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 110, 221) }
```

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

```
.background{ background-color: rgb(233,  
110, 221) }
```

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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