

Converting Colors

XYZ(50.0415, 33.1687, 60.3017)

Have a look what the booklet for
XYZ(50.0415, 33.1687, 60.3017)
contains.

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Color

**XYZ(50.1779, 33.2238,
60.2681)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E970CB |
| RGB | 233, 112, 203 |
| RGB Percent | 91%, 44%, 80% |
| CMY | 0.0863, 0.5608, 0.2039 |
| CMYK | 0.00, 0.52, 0.13, 0.09 |
| HSL | 315°, 73%, 68% |
| HSV | 315°, 52%, 91% |
| XYZ | 50.1779, 33.2238, 60.2681 |
| YIQ | 158.5530, 42.9050, 53.9530 |

Conversions

Conversions Part 2

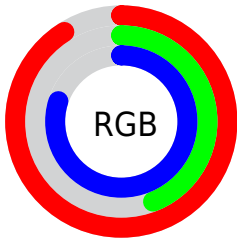
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 233, 112, 203 |
| Decimal | 15298763 |
| CIE Lab | 64.34, 57.80, -25.69 |
| CIE LCh | 64, 63.257, 336.037 |
| Yxy | 33.2238, 0.3493, 0.2313 |
| Android (android.graphics.Color) | 4293488843 (0xFFE970CB) |
| YUV | 158.5530, 21.9124, 65.2900 |
| Hunter-Lab | 57.6401, 54.5209, -21.6452 |

Details

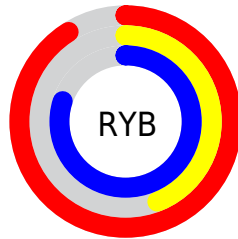
The XYZ color **50.1779, 33.2238, 60.2681** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **40.7050, 63.6766, 35.7392**, and the grayscale version is **32.6416, 34.3415, 37.3979**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **24.5182, 14.1122, 29.8655** is the 20% darker color. If you saturate the color by 10%, you get **47.2562, 28.4612, 55.9606**, and if you desaturate by 10%, it is **53.7924, 39.3298, 64.9337**.

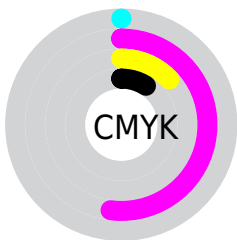
Distribution



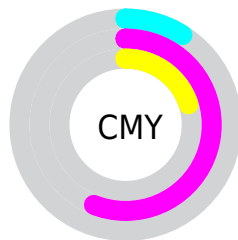
- Red (91%)
- Green (44%)
- Blue (80%)



- Red (91%)
- Yellow (44%)
- Blue (80%)



- Cyan (0%)
- Magenta (52%)
- Yellow (13%)
- Black (9%)





- Cyan (9%)
- Magenta (56%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1779, 33.2238, 60.2681 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 50.1779, 33.2238, 60.2681 by changing the saturation by 10% instead.


 50.1779, 33.2238,
60.2681


 50.1779, 33.2238,
60.2681


377.8017,
316.6570, 443.4173


 35.7732, 22.2979,
43.2081


 89.6286, 64.7248,
106.7657

 24.4283, 14.0760,
29.7158


 115.4054, 86.0687,
137.0403

 15.7781, 8.1735,
19.3727


 145.7034,
111.6541, 172.5568

 9.4571, 4.2062,
11.7604

180.8882,
141.8653, 213.7338

 5.1000, 1.7896,
6.4602

221.3251,
177.0869, 260.9898

 2.3414, 0.4807,
3.0536

267.3794,

 0.8157, 0.0000,

217.7031, 314.7434

1.1221

319.4165,
264.0983, 375.4130

■ 0.0000, 0.0000,
0.0000

■ 50.1779, 33.2238,
60.2681

■ 50.1779, 33.2238,
60.2681

■ 47.2562, 28.4612,
55.9606

■ 53.7924, 39.3298,
64.9337

■ 44.9714, 24.9325,
51.9904

■ 58.1437, 46.8684,
69.9726

■ 43.2640, 22.5184,
48.3364

■ 63.2757, 55.9264,
75.4009

■ 42.0613, 21.0739,
44.9732

■ 69.2278, 66.5824,
81.2332

■ 41.3649, 20.4279,
42.4383

■ 76.0369, 78.9096,
87.4829

■ 83.7375, 92.9767,
94.1629

■ 85.6088, 95.3415,
99.0341

■ 86.4974, 95.6969,
103.7133

■ 87.4137, 96.0634,
108.5385

Harmonies

Analogous

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



42.8919, 33.2238, 92.8720



50.1779, 33.2238, 60.2681



52.1024, 33.2238, 31.2095

Triad

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



50.1779, 33.2238, 60.2681



29.7931, 33.2238, 5.8840



19.5500, 33.2238, 73.8656

Complementary

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



50.1779, 33.2238, 60.2681



40.7050, 63.6766, 35.7392

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.



17.3061, 33.2238, 41.6413



50.1779, 33.2238, 60.2681



22.4526, 33.2238, 9.0766

Square

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



50.1779, 33.2238, 60.2681



39.1410, 33.2238, 7.1571



18.2577, 33.2238, 19.5489



25.0584, 33.2238, 102.9907

Rectangle

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



50.1779, 33.2238, 60.2681



49.8184, 33.2238, 18.4903



18.2577, 33.2238, 19.5489



18.4420, 33.2238, 62.5811

Sweetspot

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



50.1790, 33.2254, 60.2688



81.8009, 76.0399, 96.6590



31.3584, 23.0692, 79.8913



17.1862, 15.6984, 20.3725



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.



50.1790, 33.2254, 60.2688



57.8742, 34.7384, 68.4850



44.4542, 30.9355, 30.1227



15.5459, 15.2462, 18.1602



23.5231, 11.6119, 24.3535



1.8849, 0.9269, 2.1114

Inverse Universe

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



50.1790, 33.2254, 60.2688



57.8742, 34.7384, 68.4850



46.3336, 65.9280, 65.3787



15.5459, 15.2462, 18.1602



23.5231, 11.6119, 24.3535



1.8849, 0.9269, 2.1114

Previews

White Background



This preview shows how the XYZ color 50.1779, 33.2238, 60.2681 looks on a white background.

Color Contrast Check

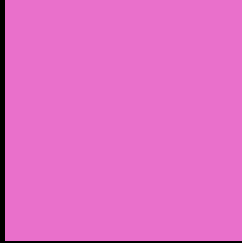
Large Text (above 18pt) WCAG AA × Fail

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 50.1779, 33.2238, 60.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

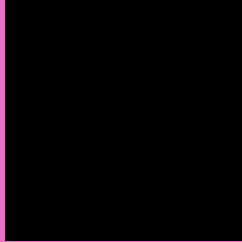
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1779, 33.2238, 60.2681

Background



This preview shows how black text looks on a background with the XYZ color 50.1779, 33.2238, 60.2681.



This preview shows how white text looks on a background with the XYZ color 50.1779, 33.2238,

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

50.1779, 33.2238, 60.2681

Protanopia

35.4531, 33.6986, 83.2332

Deuteranopia

34.1175, 33.3473, 56.8630



Tritanopia

43.3973, 33.1251, 27.3990

Trichromacy



Original Color

50.1779, 33.2238, 60.2681



Protanomaly

38.2778, 31.8999, 73.9519



Deuteranomaly

38.4533, 32.1242, 58.2067



Tritanomaly

45.6178, 33.1151, 37.2452

Monochromacy



Original Color

50.1779, 33.2238, 60.2681



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

37.6606, 32.8803, 44.9190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1779, 33.2238, 60.2681 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, 112, 203)` looks like.

```
.text, #text, p{  
    color:rgb(233, 112, 203)  
}
```

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, 112, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 112, 203) }
```

Border

The CSS property to change the border of an element to XYZ 50.1779, 33.2238, 60.2681 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, 112, 203) }
```


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

```
.border{ border-color:rgb(233, 112, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 112, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 112, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 112, 203);  
box-shadow:4px 4px 4px 4px rgb(233, 112,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1779, 33.2238, 60.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 112, 203) }
```

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

```
.background{ background-color: rgb(233,  
112, 203) }
```

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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