

Converting Colors

XYZ(51.8361, 33.3413, 72.1865)

Have a look what the booklet for
XYZ(51.8361, 33.3413, 72.1865)
contains.

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Color

**XYZ(51.7985, 33.3135,
72.1067)**

Conversions

Conversions Part 1

Format	Color
Hex	E86DDD
RGB	232, 109, 221
RGB Percent	91%, 43%, 87%
CMY	0.0902, 0.5725, 0.1333
CMYK	0.00, 0.53, 0.05, 0.09
HSL	305°, 73%, 67%
HSV	305°, 53%, 91%
XYZ	51.7985, 33.3135, 72.1067
YIQ	158.5450, 37.3560, 60.9080

Conversions

Conversions Part 2

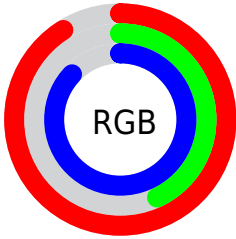
Format	Color
R _Y B	232, 109, 221
Decimal	15232477
CIE Lab	64.41, 61.80, -35.68
CIE LCh	64, 71.361, 329.997
Yxy	33.3135, 0.3295, 0.2119
Android (android.graphics.Color)	4293422557 (0xFFE86DDD)
YUV	158.5450, 30.7903, 64.4200
Hunter-Lab	57.7178, 59.1874, -33.6683

Details

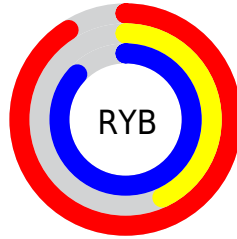
The XYZ color **51.7985, 33.3135, 72.1067** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.5549, 62.3218, 27.7686**, and the grayscale version is **32.6006, 34.2983, 37.3509**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **25.5665, 14.2078, 37.4713** is the 20% darker color. If you saturate the color by 10%, you get **49.3678, 28.8912, 69.9411**, and if you desaturate by 10%, it is **54.8879, 39.0463, 74.5093**.

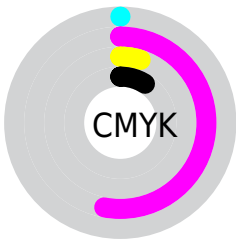
Distribution



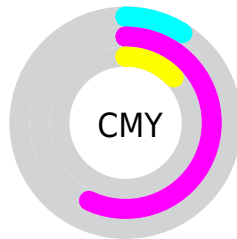
- Red (91%)
- Green (43%)
- Blue (87%)



- 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 51.7985, 33.3135, 72.1067 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 51.7985, 33.3135, 72.1067 by changing the saturation by 10% instead.


 51.7985, 33.3135,
72.1067


 51.7985, 33.3135,
72.1067


383.9950,
317.0600, 486.9004


 37.0681, 22.3667,
52.7585


 92.0100, 64.8647,
123.9173


 25.4341, 14.1266,
37.2236


 118.2218, 86.2378,
157.2169

 16.5313, 8.2088,
25.0835


 148.9915,
111.8553, 196.0039

 9.9941, 4.2288,
15.9197

 184.6843,
142.1014, 240.6969

 5.4573, 1.8024,
9.3136

225.6658,
177.3605, 291.7146

 2.5555, 0.4887,
4.8467

272.3011,

 0.9233, 0.0000,

218.0170, 349.4753

2.1004

324.9557,
264.4554, 414.3978

■ 0.0000, 0.0000,
0.6160

■ 0.0000, 0.0000,
0.0000

■ 51.7985, 33.3135,
72.1067

■ 51.7985, 33.3135,
72.1067

■ 49.3678, 28.8912,
69.9411

■ 54.8879, 39.0463,
74.5093

■ 47.5399, 25.6695,
67.9929


■ 58.6794, 46.1786,
77.1626


■ 46.2550, 23.5286,
66.2425


■ 63.2167, 54.7971,
80.0815


■ 45.4398, 22.3216,
64.6653


■ 68.5392, 64.9802,
83.2791


 45.0686, 21.8718,
63.6396

 74.6831, 76.8007,
86.7676

 81.6826, 90.3269,
90.5585

 84.1107, 94.7046,
92.8428

 84.4132, 94.8256,
94.4359

 84.7192, 94.9481,
96.0474

Harmonies

Analogous

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



42.4818, 33.3135, 109.6144



51.7985, 33.3135, 72.1067



55.5228, 33.3135, 36.2759

Triad

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



51.7985, 33.3135, 72.1067



31.6646, 33.3135, 4.1458



17.5668, 33.3135, 72.0980

Complementary

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



51.7985, 33.3135, 72.1067



38.5549, 62.3218, 27.7686

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.



15.8568, 33.3135, 36.2696



51.7985, 33.3135, 72.1067



22.8580, 33.3135, 6.1756

Square

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



51.7985, 33.3135, 72.1067



42.4841, 33.3135, 6.1765



17.5676, 33.3135, 14.8555



22.8564, 33.3135, 109.6078

Rectangle

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



51.7985, 33.3135, 72.1067



53.8259, 33.3135, 20.2930



17.5676, 33.3135, 14.8555



16.6120, 33.3135, 58.9948

Sweetspot

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



51.7996, 33.3150, 72.1074



82.8052, 76.4416, 101.9474



27.6778, 20.7048, 78.8826



17.4277, 15.7950, 21.6441



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.



51.7996, 33.3150, 72.1074



60.8380, 35.1950, 86.3394



45.1158, 30.6415, 36.9108



14.9366, 14.5918, 17.8665



25.0443, 12.1519, 35.4579



1.8671, 0.9045, 2.7065

Inverse Universe

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



51.7996, 33.3150, 72.1074



60.8380, 35.1950, 86.3394



43.4796, 64.2916, 53.7013



14.9366, 14.5918, 17.8665



25.0443, 12.1519, 35.4579



1.8671, 0.9045, 2.7065

Previews

White Background



This preview shows how the XYZ color 51.7985, 33.3135, 72.1067 looks on a white background.

Color Contrast Check

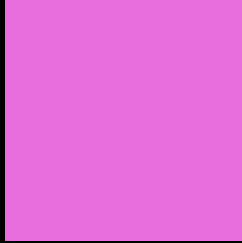
Large Text (above 18pt) WCAG AA × Fail

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 51.7985, 33.3135, 72.1067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

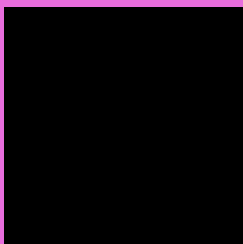
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7985, 33.3135, 72.1067

Background



This preview shows how black text looks on a background with the XYZ color 51.7985, 33.3135, 72.1067.



This preview shows how white text looks on a background with the XYZ color 51.7985, 33.3135,

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

51.7985, 33.3135, 72.1067

Protanopia

36.6437, 33.7155, 99.1841

Deuteranopia

34.3811, 33.4907, 67.6031



Tritanopia

42.6347, 33.0942, 28.5668

Trichromacy



Original Color

51.7985, 33.3135, 72.1067



Protanomaly

39.2239, 31.6315, 88.8322



Deuteranomaly

38.7167, 32.0191, 69.1055



Tritanomaly

45.4850, 32.9524, 41.4992

Monochromacy



Original Color

51.7985, 33.3135, 72.1067



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 51.7985, 33.3135, 72.1067 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(232, 109, 221)` looks like.

```
.text, #text, p{  
    color:rgb(232, 109, 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(232, 109, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 109, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.7985, 33.3135, 72.1067 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(232, 109, 221) }
```


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

```
.border{ border-color:rgb(232, 109, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 109, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 109, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 109, 221);  
box-shadow:4px 4px 4px 4px rgb(232, 109,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7985, 33.3135, 72.1067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 109, 221) }
```

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

```
.background{ background-color: rgb(232,  
109, 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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