

Converting Colors

XYZ(51.1829, 33.8036, 72.8326)

Have a look what the booklet for
XYZ(51.1829, 33.8036, 72.8326)
contains.

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Color

**XYZ(51.1970, 33.8025,
72.9334)**

Conversions

Conversions Part 1

Format	Color
Hex	E472DE
RGB	228, 114, 222
RGB Percent	89%, 45%, 87%
CMY	0.1059, 0.5529, 0.1294
CMYK	0.00, 0.50, 0.03, 0.11
HSL	303°, 68%, 67%
HSV	303°, 50%, 89%
XYZ	51.1970, 33.8025, 72.9334
YIQ	160.3980, 33.2760, 57.7560

Conversions

Conversions Part 2

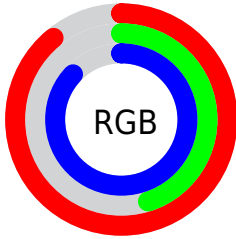
Format	Color
R _Y B	228, 114, 222
Decimal	14971614
CIE Lab	64.81, 58.52, -35.67
CIE LCh	65, 68.538, 328.636
Yxy	33.8025, 0.3242, 0.2140
Android (android.graphics.Color)	4293161694 (0xFFE472DE)
YUV	160.3980, 30.3698, 59.2870
Hunter-Lab	58.1399, 55.4391, -33.6782

Details

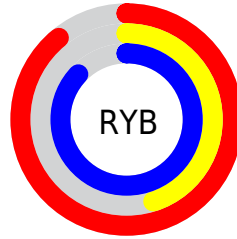
The XYZ color **51.1970, 33.8025, 72.9334** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.0744, 60.4215, 27.4270**, and the grayscale version is **33.4518, 35.1939, 38.3261**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **25.0245, 14.4272, 37.5422** is the 20% darker color. If you saturate the color by 10%, you get **48.7786, 29.2214, 71.3367**, and if you desaturate by 10%, it is **54.2598, 39.6689, 74.7511**.

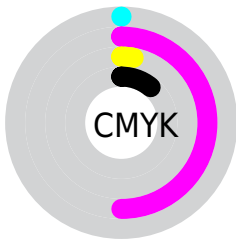
Distribution



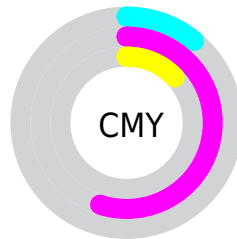
- Red (89%)
- Green (45%)
- Blue (87%)



- Red (89%)
- Yellow (45%)
- Blue (87%)



- Cyan (0%)
- Magenta (50%)
- Yellow (3%)
- Black (11%)





- Cyan (11%)
- Magenta (55%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1970, 33.8025, 72.9334 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 51.1970, 33.8025, 72.9334 by changing the saturation by 10% instead.


 51.1970, 33.8025,
72.9334


 51.1970, 33.8025,
72.9334


381.7038,
319.2505, 489.8485


 36.5871, 22.7419,
53.4300


 91.1272, 65.6264,
125.1027

 25.0602, 14.4031,
37.7561


 117.1781, 87.1586,
158.6057

 16.2509, 8.4015,
25.4931


 147.7735,
112.9500, 197.6123

 9.7938, 4.3529,
16.2224

183.2786,
143.3851, 242.5411

 5.3237, 1.8729,
9.5256

224.0588,
178.8483, 293.8105

 2.4751, 0.5320,
4.9841

270.4795,

 0.8827, 0.0000,

219.7240, 351.8393

2.1794

322.9061,
266.3966, 417.0457

■ 0.0000, 0.0000,
0.6624

■ 0.0000, 0.0000,
0.0000

■ 51.1970, 33.8025,
72.9334

■ 51.1970, 33.8025,
72.9334

■ 48.7786, 29.2214,
71.3367

■ 54.2598, 39.6689,
74.7511

■ 46.9524, 25.8238,
69.9428

■ 58.0069, 46.9029,
76.8024

■ 45.6643, 23.5004,
68.7338

■ 62.4793, 55.5857,
79.1010

■ 44.8483, 22.1194,
67.6878

■ 67.7137, 65.7906,
81.6593

44.3900, 21.4522,
66.7667

73.7442, 77.5859,
84.4887

44.3899, 21.4520,
66.7665

80.6031, 91.0360,
87.6000

82.0948, 93.7500,
88.9278

82.2643, 93.8178,
89.8208

82.4350, 93.8861,
90.7198

Harmonies

Analogous

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



42.1020, 33.8025, 108.0273



51.1970, 33.8025, 72.9334



55.0642, 33.8025, 38.1134

Triad

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



51.1970, 33.8025, 72.9334



32.5819, 33.8025, 4.8304



18.1912, 33.8025, 69.4568

Complementary

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



51.1970, 33.8025, 72.9334



38.0744, 60.4215, 27.4270

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.



16.6526, 33.8025, 35.5272



51.1970, 33.8025, 72.9334



23.8689, 33.8025, 6.7526

Square

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



51.1970, 33.8025, 72.9334



43.0454, 33.8025, 7.1787



18.5019, 33.8025, 15.1546



23.2332, 33.8025, 105.3982

Rectangle

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



51.1970, 33.8025, 72.9334



53.6598, 33.8025, 22.0331



18.5019, 33.8025, 15.1546



17.2990, 33.8025, 57.0347

Sweetspot

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



51.1982, 33.8040, 72.9341



83.7159, 77.8479, 103.5311



27.7266, 21.6094, 76.1094



17.6177, 16.0761, 22.0120



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.



51.1982, 33.8040, 72.9341



62.7716, 37.4748, 91.8771



44.8325, 31.2578, 39.4128



14.9606, 14.6014, 17.9930



25.6462, 12.3927, 38.6276



1.9053, 0.9198, 2.9077

Inverse Universe

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



51.1982, 33.8040, 72.9341



62.7716, 37.4748, 91.8771



42.5902, 62.2278, 51.2065



14.9606, 14.6014, 17.9930



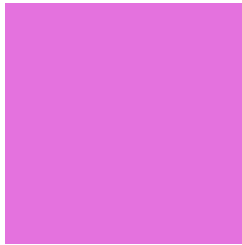
25.6462, 12.3927, 38.6276



1.9053, 0.9198, 2.9077

Previews

White Background



This preview shows how the XYZ color 51.1970, 33.8025, 72.9334 looks on a white background.

Color Contrast Check

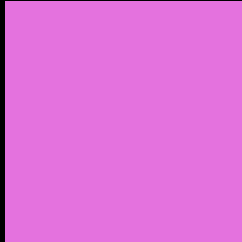
Large Text (above 18pt) WCAG AA × Fail

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 51.1970, 33.8025, 72.9334 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 51.1970, 33.8025, 72.9334

Background



This preview shows how black text looks on a background with the XYZ color 51.1970, 33.8025, 72.9334.



This preview shows how white text looks on a background with the XYZ color 51.1970, 33.8025,

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

51.1970, 33.8025, 72.9334

Protanopia

37.0768, 34.1828, 99.2515

Deuteranopia

34.8023, 33.9244, 69.0038



Tritanopia

42.2589, 33.6637, 30.2570

Trichromacy



Original Color

51.1970, 33.8025, 72.9334



Protanomaly

39.5108, 32.2054, 88.9278



Deuteranomaly

39.0462, 32.5888, 70.5620



Tritanomaly

45.0314, 33.4299, 43.1089

Monochromacy



Original Color

51.1970, 33.8025, 72.9334



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

38.3773, 33.3781, 49.2197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1970, 33.8025, 72.9334 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(228, 114, 222)` looks like.

```
.text, #text, p{  
    color:rgb(228, 114, 222)  
}
```

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(228, 114, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 114, 222) }
```

Border

The CSS property to change the border of an element to XYZ 51.1970, 33.8025, 72.9334 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(228, 114, 222) }
```


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

```
.border{ border-color:rgb(228, 114, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 114, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 114, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 114, 222);  
box-shadow:4px 4px 4px 4px rgb(228, 114,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1970, 33.8025, 72.9334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 114, 222) }
```

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

```
.background{ background-color: rgb(228,  
114, 222) }
```

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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