

Converting Colors

XYZ(51.3274, 34.0785, 72.9235)

Have a look what the booklet for
XYZ(51.3274, 34.0785, 72.9235)
contains.

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Color

**XYZ(51.3105, 34.0294,
72.9712)**

Conversions

Conversions Part 1

Format	Color
Hex	E473DE
RGB	228, 115, 222
RGB Percent	89%, 45%, 87%
CMY	0.1059, 0.5490, 0.1294
CMYK	0.00, 0.50, 0.03, 0.11
HSL	303°, 68%, 67%
HSV	303°, 50%, 89%
XYZ	51.3105, 34.0294, 72.9712
YIQ	160.9850, 33.0010, 57.2330

Conversions

Conversions Part 2

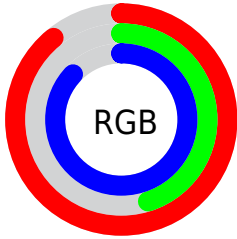
Format	Color
R _Y B	228, 115, 222
Decimal	14971870
CIE Lab	64.99, 58.05, -35.39
CIE LCh	65, 67.985, 328.629
Yxy	34.0294, 0.3241, 0.2150
Android (android.graphics.Color)	4293161950 (0xFFE473DE)
YUV	160.9850, 30.0804, 58.7722
Hunter-Lab	58.3347, 54.9206, -33.3319

Details

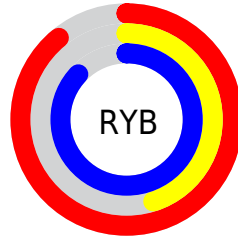
The XYZ color **51.3105, 34.0294, 72.9712** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.2664, 60.5135, 27.7547**, and the grayscale version is **33.7245, 35.4808, 38.6386**.

A 20% lighter version of the original color is **73.8529, 57.6058, 101.8343**, and **25.0764, 14.5309, 37.5595** is the 20% darker color. If you saturate the color by 10%, you get **48.8635, 29.3934, 71.3580**, and if you desaturate by 10%, it is **54.4038, 39.9546, 74.8062**.

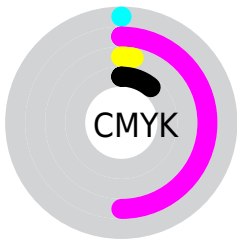
Distribution



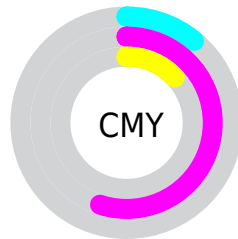
- Red (89%)
- Green (45%)
- Blue (87%)



- 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 51.3105, 34.0294, 72.9712 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 51.3105, 34.0294, 72.9712 by changing the saturation by 10% instead.


 51.3105, 34.0294,
72.9712


 51.3105, 34.0294,
72.9712

382.1368,
320.2631, 489.9831

 36.6778, 22.9162,
53.4607


 91.2938, 65.9794,
125.1569

 25.1307, 14.5316,
37.7805

 117.3752, 87.5849,
158.6691

 16.3037, 8.4913,
25.5118


 148.0035,
113.4567, 197.6858

 9.8315, 4.4109,
16.2363

183.5442,
143.9792, 242.6253

 5.3488, 1.9060,
9.5354

224.3624,
179.5366, 293.9062

 2.4902, 0.5520,
4.9904

270.8237,

 0.8903, 0.0000,

220.5135, 351.9472

2.1830

323.2934,
267.2942, 417.1666

■ 0.0000, 0.0000,
0.6645

■ 0.0000, 0.0000,
0.0000

■ 51.3105, 34.0294,
72.9712

■ 51.3105, 34.0294,
72.9712

■ 48.8635, 29.3934,
71.3580

■ 54.4038, 39.9546,
74.8062

■ 47.0111, 25.9455,
69.9484


■ 58.1834, 47.2512,
76.8755


■ 45.6993, 23.5771,
68.7247


■ 62.6899, 55.9998,
79.1928


■ 44.8629, 22.1574,
67.6652


■ 67.9600, 66.2737,
81.7704


 44.3940, 21.4711,
66.7340


 74.0277, 78.1409,
84.6197

 44.3762, 21.4466,
66.6940

 80.9251, 91.6656,
87.7514

 82.1053, 93.7542,
88.9832

 82.2765, 93.8227,
89.8845

 82.4488, 93.8916,
90.7920

Harmonies

Analogous

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



42.2695, 34.0294, 107.7501



51.3105, 34.0294, 72.9712



55.1530, 34.0294, 38.3626

Triad

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



51.3105, 34.0294, 72.9712



32.7983, 34.0294, 5.0096



18.4307, 34.0294, 69.5030

Complementary

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



51.3105, 34.0294, 72.9712



38.2664, 60.5135, 27.7547

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.



16.8914, 34.0294, 35.7721



51.3105, 34.0294, 72.9712



24.1082, 34.0294, 6.9575

Square

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



51.3105, 34.0294, 72.9712



43.2127, 34.0294, 7.3909



18.7433, 34.0294, 15.4157



23.4699, 34.0294, 105.1329

Rectangle

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



51.3105, 34.0294, 72.9712



53.7595, 34.0294, 22.3136



18.7433, 34.0294, 15.4157



17.5381, 34.0294, 57.1685

Sweetspot

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



51.3117, 34.0309, 72.9719



83.7131, 77.8468, 103.5161



27.9721, 21.9044, 76.1536



17.6170, 16.0759, 22.0084



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.



51.3117, 34.0309, 72.9719



63.0359, 37.9877, 92.0139



44.9963, 31.5048, 39.7156



14.9603, 14.6013, 17.9914



25.6384, 12.3896, 38.5863



1.9048, 0.9196, 2.9051

Inverse Universe

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



51.3117, 34.0309, 72.9719



63.0359, 37.9877, 92.0139



42.7659, 62.3133, 51.4488



14.9603, 14.6013, 17.9914



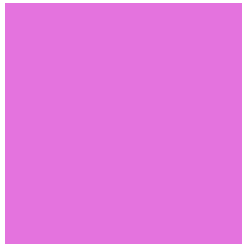
25.6384, 12.3896, 38.5863



1.9048, 0.9196, 2.9051

Previews

White Background



This preview shows how the XYZ color 51.3105, 34.0294, 72.9712 looks on a white background.

Color Contrast Check

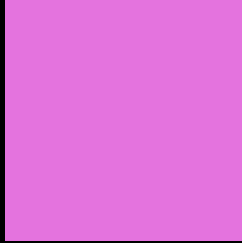
Large Text (above 18pt) WCAG AA × Fail

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 51.3105, 34.0294, 72.9712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

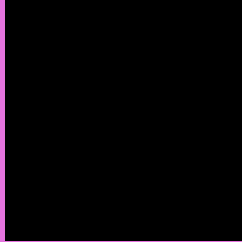
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3105, 34.0294, 72.9712

Background



This preview shows how black text looks on a background with the XYZ color 51.3105, 34.0294, 72.9712.



This preview shows how white text looks on a background with the XYZ color 51.3105, 34.0294,

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

51.3105, 34.0294, 72.9712

Protanopia

37.3791, 34.5846, 99.3132

Deuteranopia

35.1387, 34.3460, 69.0674



Tritanopia

42.7726, 34.1239, 30.7178

Trichromacy



Original Color

51.3105, 34.0294, 72.9712



Protanomaly

39.8538, 32.5982, 88.9856



Deuteranomaly

39.4133, 32.9959, 70.6212



Tritanomaly

45.1600, 33.6869, 43.1518

Monochromacy



Original Color

51.3105, 34.0294, 72.9712



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

38.5281, 33.6797, 49.2699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3105, 34.0294, 72.9712 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, 115, 222)` looks like.

```
.text, #text, p{  
    color:rgb(228, 115, 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, 115, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 115, 222) }
```

Border

The CSS property to change the border of an element to XYZ 51.3105, 34.0294, 72.9712 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, 115, 222) }
```


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

```
.border{ border-color:rgb(228, 115, 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, 115, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 115, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 115, 222);  
box-shadow:4px 4px 4px 4px rgb(228, 115,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3105, 34.0294, 72.9712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 115, 222) }
```

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

```
.background{ background-color: rgb(228,  
115, 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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