

Converting Colors

XYZ(51.4251, 34.2587, 73.0094)

Have a look what the booklet for
XYZ(51.4251, 34.2587, 73.0094)
contains.

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Color

**XYZ(51.4251, 34.2587,
73.0094)**

Conversions

Conversions Part 1

Format	Color
Hex	E474DE
RGB	228, 116, 222
RGB Percent	89%, 45%, 87%
CMY	0.1059, 0.5451, 0.1294
CMYK	0.00, 0.49, 0.03, 0.11
HSL	303°, 67%, 67%
HSV	303°, 49%, 89%
XYZ	51.4251, 34.2587, 73.0094
YIQ	161.5720, 32.7260, 56.7100

Conversions

Conversions Part 2

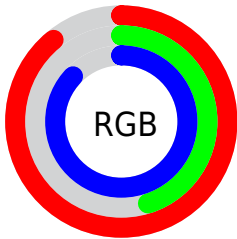
Format	Color
R _Y B	228, 116, 222
Decimal	14972126
CIE Lab	65.17, 57.57, -35.11
CIE LCh	65, 67.428, 328.622
Yxy	34.2587, 0.3241, 0.2159
Android (android.graphics.Color)	4293162206 (0xFFE474DE)
YUV	161.5720, 29.7910, 58.2574
Hunter-Lab	58.5309, 54.4004, -32.9846

Details

The XYZ color **51.4251, 34.2587, 73.0094** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.4602, 60.6062, 28.0855**, and the grayscale version is **33.9985, 35.7691, 38.9525**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **25.1292, 14.6367, 37.5771** is the 20% darker color. If you saturate the color by 10%, you get **48.9495, 29.5677, 71.3796**, and if you desaturate by 10%, it is **54.5491, 40.2430, 74.8619**.

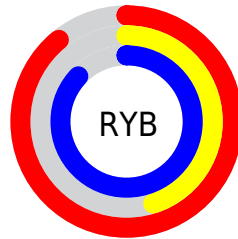
Distribution



Red (89%)

Green (45%)

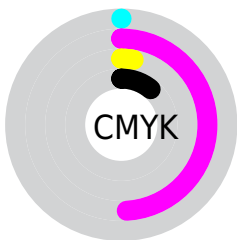
Blue (87%)



Red (89%)

Yellow (45%)

Blue (87%)

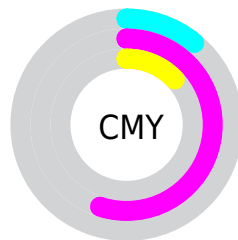


Cyan (0%)

Magenta (49%)

Yellow (3%)

Black (11%)



Cyan (11%)


Magenta (55%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4251, 34.2587, 73.0094 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 51.4251, 34.2587, 73.0094 by changing the saturation by 10% instead.


 51.4251, 34.2587,
73.0094


 51.4251, 34.2587,
73.0094


382.5736,
321.2841, 490.1190


 36.7695, 23.0924,
53.4918


 91.4621, 66.3358,
125.2116

 25.2019, 14.6618,
37.8051


 117.5741, 88.0153,
158.7333

 16.3571, 8.5823,
25.5308


 148.2357,
113.9681, 197.7600

 9.8696, 4.4698,
16.2503

183.8121,
144.5785, 242.7104

 5.3742, 1.9397,
9.5452

224.6688,
180.2309, 294.0029

 2.5054, 0.5721,
4.9968

271.1710,

 0.8980, 0.0000,

221.3097, 352.0562

2.1867

323.6842,
268.1993, 417.2887

■ 0.0000, 0.0000,
0.6667

■ 0.0000, 0.0000,
0.0000

■ 51.4251, 34.2587,
73.0094

■ 51.4251, 34.2587,
73.0094

■ 48.9495, 29.5677,
71.3796

■ 54.5491, 40.2430,
74.8619

■ 47.0706, 26.0693,
69.9542

■ 58.3612, 47.6022,
76.9492

■ 45.7351, 23.6555,
68.7157

■ 62.9019, 56.4168,
79.2853

■ 44.8780, 22.1968,
67.6426

■ 68.2077, 66.7597,
81.8823

44.3979, 21.4900,
66.7009

74.3126, 78.6988,
84.7516

44.3622, 21.4410,
66.6205

81.2486, 92.2982,
87.9039

82.1159, 93.7584,
89.0392

82.2887, 93.8275,
89.9489

82.4626, 93.8971,
90.8649

Harmonies

Analogous

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



42.4386, 34.2587, 107.4725



51.4251, 34.2587, 73.0094



55.2427, 34.2587, 38.6141

Triad

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



51.4251, 34.2587, 73.0094



33.0169, 34.2587, 5.1941



18.6738, 34.2587, 69.5501

Complementary

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



51.4251, 34.2587, 73.0094



38.4602, 60.6062, 28.0855

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.



17.1339, 34.2587, 36.0198



51.4251, 34.2587, 73.0094



24.3503, 34.2587, 7.1677

Square

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



51.4251, 34.2587, 73.0094



43.3815, 34.2587, 7.6083



18.9881, 34.2587, 15.6814



23.7097, 34.2587, 104.8674

Rectangle

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



51.4251, 34.2587, 73.0094



53.8601, 34.2587, 22.5979



18.9881, 34.2587, 15.6814



17.7807, 34.2587, 57.3038

Sweetspot

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



51.4263, 34.2603, 73.0101



83.7102, 77.8456, 103.5009



28.2201, 22.2024, 76.1979



17.6163, 16.0756, 22.0047



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.



51.4263, 34.2603, 73.0101



63.0249, 37.9834, 91.9560



45.1614, 31.7543, 40.0198



14.9600, 14.6012, 17.9898



25.6305, 12.3864, 38.5446



1.9043, 0.9194, 2.9024

Inverse Universe

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



51.4263, 34.2603, 73.0101



63.0249, 37.9834, 91.9560



42.9431, 62.3994, 51.6919



14.9600, 14.6012, 17.9898



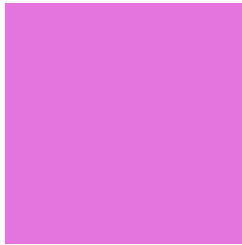
25.6305, 12.3864, 38.5446



1.9043, 0.9194, 2.9024

Previews

White Background



This preview shows how the XYZ color 51.4251, 34.2587, 73.0094 looks on a white background.

Color Contrast Check

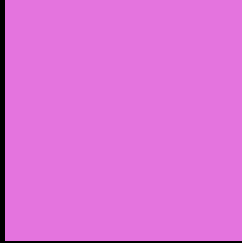
Large Text (above 18pt) WCAG AA × Fail

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 51.4251, 34.2587, 73.0094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

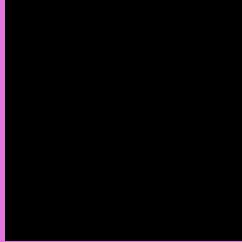
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4251, 34.2587, 73.0094

Background



This preview shows how black text looks on a background with the XYZ color 51.4251, 34.2587, 73.0094.



This preview shows how white text looks on a background with the XYZ color 51.4251, 34.2587,

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

51.4251, 34.2587, 73.0094

Protanopia

37.5171, 34.6558, 99.3196

Deuteranopia

35.3095, 34.4340, 69.0754



Tritanopia

42.7726, 34.1239, 30.7178

Trichromacy



Original Color

51.4251, 34.2587, 73.0094



Protanomaly

40.0006, 32.8917, 89.0345



Deuteranomaly

39.4133, 32.9959, 70.6212



Tritanomaly

45.1600, 33.6869, 43.1518

Monochromacy



Original Color

51.4251, 34.2587, 73.0094



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

39.0268, 34.1506, 49.8822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4251, 34.2587, 73.0094 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, 116, 222)` looks like.

```
.text, #text, p{  
    color:rgb(228, 116, 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, 116, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 116, 222) }
```

Border

The CSS property to change the border of an element to XYZ 51.4251, 34.2587, 73.0094 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, 116, 222) }
```


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

```
.border{ border-color:rgb(228, 116, 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, 116, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 116, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 116, 222); box-shadow:4px 4px 4px 4px rgb(228, 116, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4251, 34.2587, 73.0094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 116, 222) }
```

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

```
.background{ background-color: rgb(228,  
116, 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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