

Converting Colors

XYZ(50.2101, 34.4919, 73.1307)

Have a look what the booklet for
XYZ(50.2101, 34.4919, 73.1307)
contains.

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Color

**XYZ(50.1464, 34.4783,
73.1192)**

Conversions

Conversions Part 1

Format	Color
Hex	DE79DE
RGB	222, 121, 222
RGB Percent	87%, 47%, 87%
CMY	0.1294, 0.5255, 0.1294
CMYK	0.00, 0.45, 0.00, 0.13
HSL	300°, 60%, 67%
HSV	300°, 45%, 87%
XYZ	50.1464, 34.4783, 73.1192
YIQ	162.7130, 27.7750, 52.8230

Conversions

Conversions Part 2

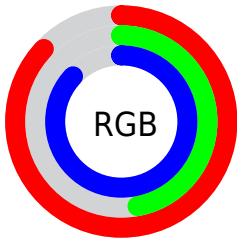
Format	Color
R _Y B	222, 121, 222
Decimal	14580190
CIE Lab	65.34, 53.42, -34.90
CIE LCh	65, 63.805, 326.842
Yxy	34.4783, 0.3179, 0.2186
Android (android.graphics.Color)	4292770270 (0xFFDE79DE)
YUV	162.7130, 29.2285, 51.9947
Hunter-Lab	58.7182, 49.6853, -32.7284

Details

The XYZ color **50.1464, 34.4783, 73.1192** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.4591, 57.6893, 27.2520**, and the grayscale version is **34.5362, 36.3348, 39.5686**.

A 20% lighter version of the original color is **74.8153, 59.5307, 102.1551**, and **24.4071, 14.7668, 37.6403** is the 20% darker color. If you saturate the color by 10%, you get **47.7529, 29.6906, 72.3216**, and if you desaturate by 10%, it is **53.1629, 40.5105, 74.1251**.

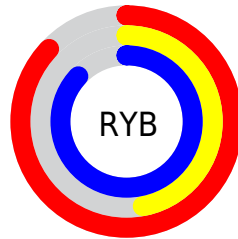
Distribution



Red (87%)

Green (47%)

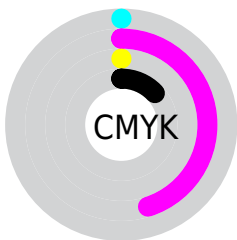
Blue (87%)



Red (87%)

Yellow (47%)

Blue (87%)

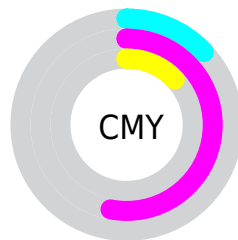


Cyan (0%)

Magenta (45%)

Yellow (0%)

Black (13%)



Cyan (13%)


Magenta (53%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1464, 34.4783, 73.1192 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 50.1464, 34.4783, 73.1192 by changing the saturation by 10% instead.


 50.1464, 34.4783,
73.1192

 50.1464, 34.4783,
73.1192


377.6807,
322.2595, 490.5097


 35.7480, 23.2613,
53.5810


 89.5823, 66.6768,
125.3689

 24.4088, 14.7866,
37.8759


 115.3505, 88.4270,
158.9175

 15.7636, 8.6697,
25.5853


 145.6393,
114.4571, 197.9733

 9.4468, 4.5264,
16.2907

180.8142,
145.1515, 242.9549

 5.0932, 1.9722,
9.5735

221.2404,
180.8946, 294.2808

 2.3373, 0.5912,
5.0152

267.2833,

 0.8137, 0.0000,

222.0706, 352.3695

2.1973

319.3083,
269.0642, 417.6397

■ 0.0000, 0.0000,
0.6728

■ 0.0000, 0.0000,
0.0000

■ 50.1464, 34.4783,
73.1192

■ 50.1464, 34.4783,
73.1192

■ 47.7529, 29.6906,
72.3216

■ 53.1629, 40.5105,
74.1251

■ 45.9358, 26.0564,
71.7158


■ 56.8380, 47.8607,
75.3503


■ 44.6476, 23.4799,
71.2863


■ 61.2087, 56.6021,
76.8073


■ 43.8315, 21.8478,
71.0141


■ 66.3084, 66.8012,
78.5073


 43.4180, 21.0209,
70.8762


 72.1680, 78.5205,
80.4606

 43.3094, 20.8037,
70.8399

 78.8170, 91.8184,
82.6771

 79.0697, 92.3238,
82.7614

 79.0697, 92.3239,
82.7615

 79.0698, 92.3239,
82.7617

Harmonies

Analogous

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



41.5310, 34.4783, 104.3306



50.1464, 34.4783, 73.1192



54.0775, 34.4783, 40.4354

Triad

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



50.1464, 34.4783, 73.1192



33.7662, 34.4783, 6.1014



19.2587, 34.4783, 65.7554

Complementary

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



50.1464, 34.4783, 73.1192



37.4591, 57.6893, 27.2520

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.



17.9559, 34.4783, 34.7882



50.1464, 34.4783, 73.1192



25.3378, 34.4783, 7.8702

Square

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



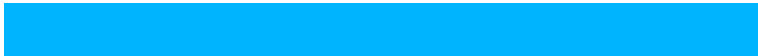
50.1464, 34.4783, 73.1192



43.5627, 34.4783, 8.9090



19.9586, 34.4783, 15.9109



23.9266, 34.4783, 98.8493

Rectangle

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



50.1464, 34.4783, 73.1192



53.0504, 34.4783, 24.5663



19.9586, 34.4783, 15.9109



18.4561, 34.4783, 54.4295

Sweetspot

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



50.1476, 34.4798, 73.1199



84.6998, 79.2997, 105.4497



27.9089, 23.0154, 72.0797



17.8265, 16.3679, 22.4697



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.



50.1476, 34.4798, 73.1199



65.3921, 40.6845, 99.0132



44.3614, 32.1654, 42.6506



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0769



1.7831, 0.8565, 2.9165

Inverse Universe

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



50.1476, 34.4798, 73.1199



65.3921, 40.6845, 99.0132



41.4063, 59.2682, 48.0377



14.2951, 13.9357, 17.3241



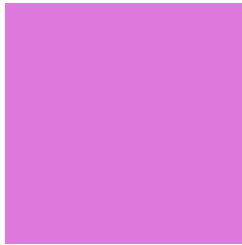
25.7246, 12.3568, 42.0769



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 50.1464, 34.4783, 73.1192 looks on a white background.

Color Contrast Check

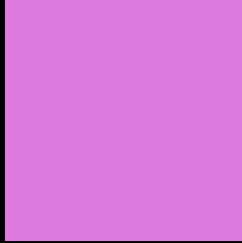
Large Text (above 18pt) WCAG AA × Fail

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 50.1464, 34.4783, 73.1192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

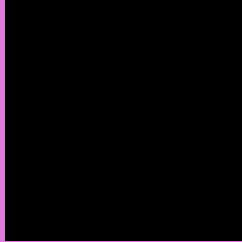
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1464, 34.4783, 73.1192

Background



This preview shows how black text looks on a background with the XYZ color 50.1464, 34.4783, 73.1192.



This preview shows how white text looks on a background with the XYZ color 50.1464, 34.4783,

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

50.1464, 34.4783, 73.1192

Protanopia

37.6132, 35.0271, 96.0453

Deuteranopia

35.6070, 34.8226, 69.8105



Tritanopia

41.8743, 34.4612, 32.4616

Trichromacy



Original Color

50.1464, 34.4783, 73.1192



Protanomaly

40.0478, 33.4098, 86.7761



Deuteranomaly

39.4227, 33.6664, 70.7501



Tritanomaly

44.3080, 34.1966, 44.8228

Monochromacy



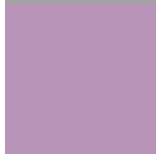
Original Color

50.1464, 34.4783, 73.1192



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

39.0088, 34.8308, 50.0144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1464, 34.4783, 73.1192 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(222, 121, 222)` looks like.

```
.text, #text, p{  
    color:rgb(222, 121, 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(222, 121, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 121, 222) }
```

Border

The CSS property to change the border of an element to XYZ 50.1464, 34.4783, 73.1192 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(222, 121, 222) }
```


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

```
.border{ border-color:rgb(222, 121, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 121, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 121, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 121, 222); box-shadow:4px 4px 4px 4px rgb(222, 121, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1464, 34.4783, 73.1192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 121, 222) }
```

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

```
.background{ background-color: rgb(222,  
121, 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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