

Converting Colors

XYZ(51.6499, 35.0305, 76.0876)

Have a look what the booklet for
XYZ(51.6499, 35.0305, 76.0876)
contains.

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Color

**XYZ(51.4953, 34.9315,
75.9799)**

Conversions

Conversions Part 1

Format	Color
Hex	E178E2
RGB	225, 120, 226
RGB Percent	88%, 47%, 89%
CMY	0.1176, 0.5294, 0.1137
CMYK	0.00, 0.47, 0.00, 0.11
HSL	299°, 65%, 68%
HSV	299°, 47%, 89%
XYZ	51.4953, 34.9315, 75.9799
YIQ	163.4790, 28.5540, 55.2260

Conversions

Conversions Part 2

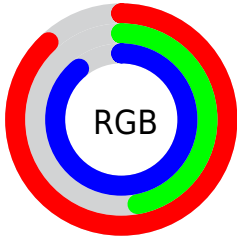
Format	Color
R _Y B	225, 120, 226
Decimal	14776546
CIE Lab	65.70, 55.48, -36.54
CIE LCh	66, 66.430, 326.628
Yxy	34.9315, 0.3171, 0.2151
Android (android.graphics.Color)	4292966626 (0xFFE178E2)
YUV	163.4790, 30.8229, 53.9539
Hunter-Lab	59.1029, 52.0939, -34.8484

Details

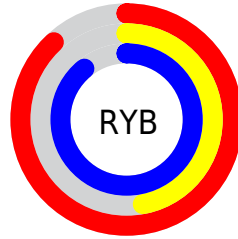
The XYZ color **51.4953, 34.9315, 75.9799** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.4728, 59.8146, 27.2886**, and the grayscale version is **34.8896, 36.7066, 39.9735**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **25.1403, 15.0142, 39.6032** is the 20% darker color. If you saturate the color by 10%, you get **49.0252, 30.0891, 75.1759**, and if you desaturate by 10%, it is **54.6092, 41.0597, 76.9991**.

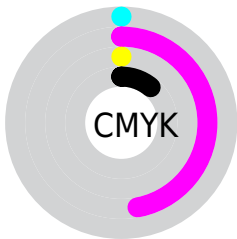
Distribution



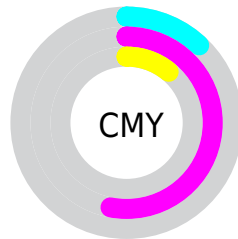
- Red (88%)
- Green (47%)
- Blue (89%)



- Red (88%)
- Yellow (47%)
- Blue (89%)



- Cyan (0%)
- Magenta (47%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (53%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4953, 34.9315, 75.9799 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 51.4953, 34.9315, 75.9799 by changing the saturation by 10% instead.

 51.4953, 34.9315,
75.9799


 51.4953, 34.9315,
75.9799

382.8411,
324.2659, 500.6239

 36.8256, 23.6101,
55.9095


 91.5651, 67.3796,
129.4583

 25.2455, 15.0447,
39.7268


 117.6960, 89.2752,
163.7034

 16.3898, 8.8507,
27.0135

 148.3779,
115.4642, 203.5104

 9.8930, 4.6439,
17.3508

183.9762,
146.3312, 249.2980

 5.3898, 2.0399,
10.3203

224.8564,
182.2604, 301.4845

 2.5148, 0.6305,
5.5035

271.3837,

 0.9027, 0.0000,

223.6364, 360.4887

2.4817

323.9235,
270.8434, 426.7290

■ 0.0000, 0.0000,
0.8305

■ 0.0000, 0.0000,
0.0000

■ 51.4953, 34.9315,
75.9799

■ 51.4953, 34.9315,
75.9799

■ 49.0252, 30.0891,
75.1759

■ 54.6092, 41.0597,
76.9991

■ 47.1496, 26.4362,
74.5697

■ 58.4046, 48.5519,
78.2452

■ 45.8177, 23.8706,
74.1447

■ 62.9207, 57.4852,
79.7315

■ 44.9687, 22.2709,
73.8806

■ 68.1926, 67.9299,
81.4697

44.5243, 21.4802,
73.7514

74.2531, 79.9516,
83.4707

44.4278, 21.3176,
73.7251

80.9394, 93.2251,
85.6803

81.0064, 93.2596,
85.6834

81.0734, 93.2941,
85.6866

81.1406, 93.3287,
85.6897

Harmonies

Analogous

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



42.3551, 34.9315, 109.2726



51.4953, 34.9315, 75.9799



55.7133, 34.9315, 41.2887

Triad

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



51.4953, 34.9315, 75.9799



34.3190, 34.9315, 5.6367



19.0775, 34.9315, 67.6107

Complementary

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



51.4953, 34.9315, 75.9799



38.4728, 59.8146, 27.2886

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.



17.7544, 34.9315, 34.9559



51.4953, 34.9315, 75.9799



25.4717, 34.9315, 7.3597

Square

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



51.4953, 34.9315, 75.9799



44.6471, 34.9315, 8.4703



19.8517, 34.9315, 15.4482



23.9008, 34.9315, 102.9991

Rectangle

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



51.4953, 34.9315, 75.9799



54.6564, 34.9315, 24.6203



19.8517, 34.9315, 15.4482



18.2553, 34.9315, 55.6050

Sweetspot

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



51.4965, 34.9331, 75.9806



84.5762, 79.2359, 105.4442



28.4056, 23.3476, 74.9614



17.7960, 16.3522, 22.4683



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.



51.4965, 34.9331, 75.9806



64.6127, 39.8581, 98.8957



45.7966, 32.6892, 44.3348



14.2816, 13.9287, 17.3235



25.3521, 12.1648, 42.0602



1.7614, 0.8453, 2.9156

Inverse Universe

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



41.5328, 30.9837, 21.8821



50.0677, 34.0971, 19.7270



42.3163, 61.3359, 48.2551



13.7125, 13.7026, 14.2561



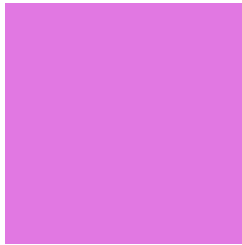
17.9023, 9.2279, 0.8852



1.2428, 0.6404, 0.0712

Previews

White Background



This preview shows how the XYZ color 51.4953, 34.9315, 75.9799 looks on a white background.

Color Contrast Check

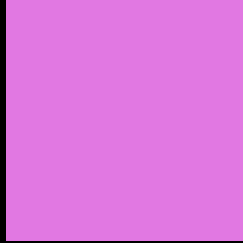
Large Text (above 18pt) WCAG AA × Fail

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 51.4953, 34.9315, 75.9799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

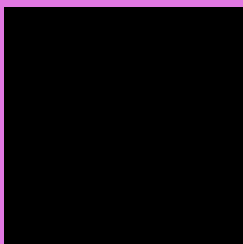
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4953, 34.9315, 75.9799

Background



This preview shows how black text looks on a background with the XYZ color 51.4953, 34.9315, 75.9799.



This preview shows how white text looks on a background with the XYZ color 51.4953, 34.9315,

75.9799.

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

51.4953, 34.9315, 75.9799

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

35.9975, 35.2309, 71.9208



Tritanopia

42.4581, 34.7621, 32.4890

Trichromacy



Original Color

51.4953, 34.9315, 75.9799



Protanomaly

40.6005, 33.8491, 89.9816



Deuteranomaly

40.1713, 33.9911, 73.5509



Tritanomaly

45.1662, 34.4273, 45.3389

Monochromacy



Original Color

51.4953, 34.9315, 75.9799



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

39.5463, 34.8517, 51.0971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4953, 34.9315, 75.9799 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(225, 120, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 120, 226)  
}
```

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(225, 120, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 120, 226) }
```

Border

The CSS property to change the border of an element to XYZ 51.4953, 34.9315, 75.9799 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(225, 120, 226) }
```


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

```
.border{ border-color:rgb(225, 120, 226) }
```

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

Here you see how a box with a 4 pixel rgb(225, 120, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 120, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 120, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 120,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4953, 34.9315, 75.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 120, 226) }
```

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

```
.background{ background-color: rgb(225,  
120, 226) }
```

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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