

Converting Colors

XYZ(51.2572, 34.4554, 75.9005)

Have a look what the booklet for
XYZ(51.2572, 34.4554, 75.9005)
contains.

XYZ(51.2572, 34.4554, 75.9005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.2572, 34.4554,
75.9005)**

Conversions

Conversions Part 1

Format	Color
Hex	E176E2
RGB	225, 118, 226
RGB Percent	88%, 46%, 89%
CMY	0.1176, 0.5372, 0.1137
CMYK	0.00, 0.48, 0.00, 0.11
HSL	299°, 65%, 67%
HSV	299°, 48%, 89%
XYZ	51.2572, 34.4554, 75.9005
YIQ	162.3050, 29.1040, 56.2720

Conversions

Conversions Part 2

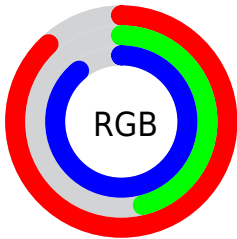
Format	Color
R _Y B	225, 118, 226
Decimal	14776034
CIE Lab	65.32, 56.45, -37.12
CIE LCh	65, 67.566, 326.672
Yxy	34.4554, 0.3172, 0.2132
Android (android.graphics.Color)	4292966114 (0xFFE176E2)
YUV	162.3050, 31.4016, 54.9835
Hunter-Lab	58.6987, 53.1479, -35.5759

Details

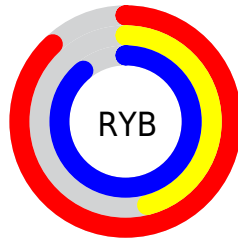
The XYZ color **51.2572, 34.4554, 75.9005** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.0753, 59.6235, 26.6429**, and the grayscale version is **34.3346, 36.1226, 39.3376**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **24.9696, 14.6728, 39.5463** is the 20% darker color. If you saturate the color by 10%, you get **48.8430, 29.7228, 75.1148**, and if you desaturate by 10%, it is **54.3114, 40.4660, 76.9002**.

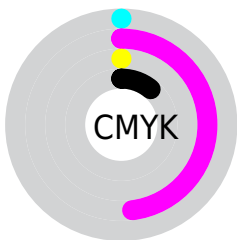
Distribution



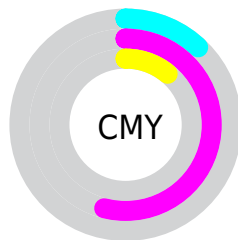
- Red (88%)
- Green (46%)
- Blue (89%)



- Red (88%)
- Yellow (46%)
- Blue (89%)



- Cyan (0%)
- Magenta (48%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (54%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2572, 34.4554, 75.9005 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 51.2572, 34.4554, 75.9005 by changing the saturation by 10% instead.


 51.2572, 34.4554,
75.9005


 51.2572, 34.4554,
75.9005

381.9335,
322.1579, 500.3448


 36.6352, 23.2437,
55.8448


 91.2156, 66.6412,
129.3450

 25.0976, 14.7735,
39.6753


 117.2827, 88.3841,
163.5709

 16.2789, 8.6606,
26.9736


 147.8955,
114.4062, 203.3573

 9.8138, 4.5205,
17.3211

183.4195,
145.0918, 249.1226

 5.3370, 1.9688,
10.2994

224.2199,
180.8254, 301.2855

 2.4831, 0.5892,
5.4897

270.6621,

 0.8867, 0.0000,

221.9914, 360.2645

2.4736

323.1115,
268.9741, 426.4780

■ 0.0000, 0.0000,
0.8261

■ 0.0000, 0.0000,
0.0000

■ 51.2572, 34.4554,
75.9005

■ 51.2572, 34.4554,
75.9005

■ 48.8430, 29.7228,
75.1148

■ 54.3114, 40.4660,
76.9002

■ 47.0188, 26.1712,
74.5254


■ 58.0436, 47.8335,
78.1255


■ 45.7335, 23.6969,
74.1155


■ 62.4933, 56.6358,
79.5900


■ 44.9251, 22.1766,
73.8647


■ 67.6957, 66.9434,
81.3054


 44.5086, 21.4399,
73.7444


 73.6838, 78.8224,
83.2827

 44.4400, 21.3239,
73.7256

 80.4888, 92.3349,
85.5322

 80.9977, 93.2551,
85.6830

 81.0635, 93.2890,
85.6861

 81.1294, 93.3230,
85.6891

Harmonies

Analogous

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



42.0064, 34.4554, 109.8454



51.2572, 34.4554, 75.9005



55.5259, 34.4554, 40.7531

Triad

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



51.2572, 34.4554, 75.9005



33.8604, 34.4554, 5.2423



18.5739, 34.4554, 67.5080

Complementary

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



51.2572, 34.4554, 75.9005



38.0753, 59.6235, 26.6429

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.



17.2478, 34.4554, 34.4551



51.2572, 34.4554, 75.9005



24.9623, 34.4554, 6.9254

Square

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



51.2572, 34.4554, 75.9005



44.2945, 34.4554, 7.9970



19.3373, 34.4554, 14.9108



23.4070, 34.4554, 103.5274

Rectangle

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



51.2572, 34.4554, 75.9005



54.4464, 34.4554, 24.0080



19.3373, 34.4554, 14.9108



17.7510, 34.4554, 55.3266

Sweetspot

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



51.2584, 34.4569, 75.9012



84.5784, 79.2371, 105.4443



27.8926, 22.7291, 74.8690



17.7965, 16.3525, 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.



51.2584, 34.4569, 75.9012



64.3352, 39.3023, 98.8030



45.4641, 32.1753, 43.7580



14.2819, 13.9288, 17.3235



25.3589, 12.1683, 42.0605



1.7618, 0.8456, 2.9156

Inverse Universe

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



41.1734, 30.4590, 21.1634



49.6472, 33.4841, 18.8838



41.9434, 61.1550, 47.7245



13.7124, 13.7026, 14.2556



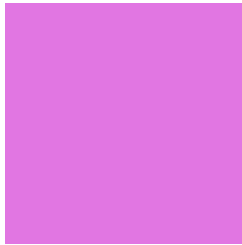
17.9021, 9.2278, 0.8844



1.2427, 0.6404, 0.0710

Previews

White Background



This preview shows how the XYZ color 51.2572, 34.4554, 75.9005 looks on a white background.

Color Contrast Check

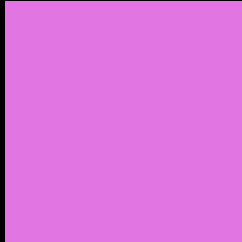
Large Text (above 18pt) WCAG AA × Fail

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 51.2572, 34.4554, 75.9005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

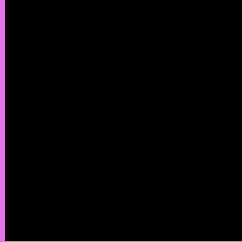
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2572, 34.4554, 75.9005

Background



This preview shows how black text looks on a background with the XYZ color 51.2572, 34.4554, 75.9005.



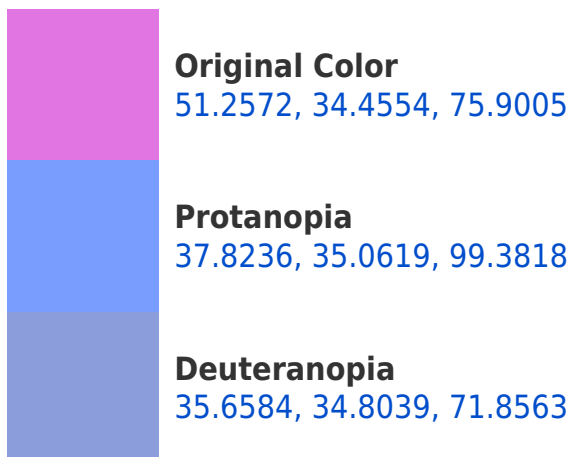
This preview shows how white text looks on a background with the XYZ color 51.2572, 34.4554,

75.9005.

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





Tritanopia

42.2365, 34.4450, 32.0262

Trichromacy



Original Color

51.2572, 34.4554, 75.9005



Protanomaly

40.3002, 33.2486, 89.8815



Deuteranomaly

39.8019, 33.5768, 73.4904



Tritanomaly

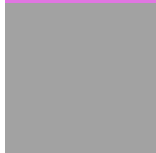
45.0325, 34.1599, 45.2943

Monochromacy



Original Color

51.2572, 34.4554, 75.9005



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

39.0434, 34.3748, 50.4761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2572, 34.4554, 75.9005 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, 118, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 118, 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, 118, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 118, 226) }
```

Border

The CSS property to change the border of an element to XYZ 51.2572, 34.4554, 75.9005 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, 118, 226) }
```


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

```
.border{ border-color:rgb(225, 118, 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, 118, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 118, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 118, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 118,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2572, 34.4554, 75.9005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 118, 226) }
```

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

```
.background{ background-color: rgb(225,  
118, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor