

Converting Colors

XYZ(51.2757, 34.7429, 75.4368)

Have a look what the booklet for
XYZ(51.2757, 34.7429, 75.4368)
contains.

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Color

**XYZ(51.3584, 34.8767,
75.2592)**

Conversions

Conversions Part 1

Format	Color
Hex	E178E1
RGB	225, 120, 225
RGB Percent	88%, 47%, 88%
CMY	0.1176, 0.5294, 0.1176
CMYK	0.00, 0.47, 0.00, 0.12
HSL	300°, 64%, 68%
HSV	300°, 47%, 88%
XYZ	51.3584, 34.8767, 75.2592
YIQ	163.3650, 28.8750, 54.9150

Conversions

Conversions Part 2

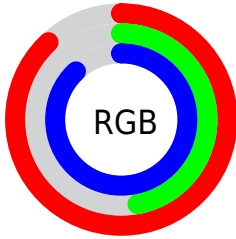
Format	Color
R _Y B	225, 120, 225
Decimal	14776545
CIE Lab	65.65, 55.30, -36.05
CIE LCh	66, 66.014, 326.897
Yxy	34.8767, 0.3180, 0.2160
Android (android.graphics.Color)	4292966625 (0xFFE178E1)
YUV	163.3650, 30.3861, 54.0539
Hunter-Lab	59.0565, 51.8834, -34.2172

Details

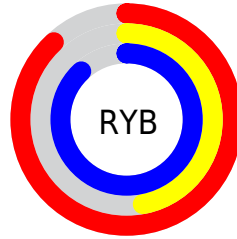
The XYZ color **51.3584, 34.8767, 75.2592** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.0626, 59.2009, 27.1920**, and the grayscale version is **34.8376, 36.6519, 39.9139**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **25.0460, 14.9765, 39.1068** is the 20% darker color. If you saturate the color by 10%, you get **48.9640, 30.0871, 74.4613**, and if you desaturate by 10%, it is **54.3909, 40.9408, 76.2705**.

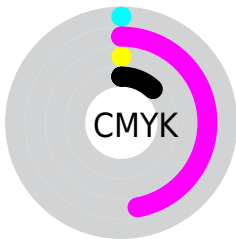
Distribution



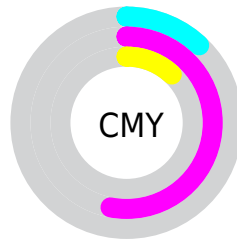
- Red (88%)
- Green (47%)
- Blue (88%)



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



- Cyan (0%)
- Magenta (47%)
- Yellow (0%)
- Black (12%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3584, 34.8767, 75.2592 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 51.3584, 34.8767, 75.2592 by changing the saturation by 10% instead.


 51.3584, 34.8767,
75.2592


 51.3584, 34.8767,
75.2592


382.3194,
324.0238, 498.0872


 36.7161, 23.5679,
55.3223


 91.3642, 67.2947,
128.4297

 25.1604, 15.0134,
39.2594


 117.4584, 89.1727,
162.5003

 16.3260, 8.8288,
26.6522


 148.1006,
115.3426, 202.1192

 9.8474, 4.6297,
17.0821

183.6562,
146.1887, 247.7049

 5.3594, 2.0317,
10.1305

224.4905,
182.0955, 299.6761

 2.4966, 0.6258,
5.3788

270.9689,

 0.8935, 0.0000,

223.4474, 358.4511

2.4086

323.4568,
270.6286, 424.4486

■ 0.0000, 0.0000,
0.7911

■ 0.0000, 0.0000,
0.0000

■ 51.3584, 34.8767,
75.2592

■ 51.3584, 34.8767,
75.2592

■ 48.9640, 30.0871,
74.4613

■ 54.3909, 40.9408,
76.2705

■ 47.1589, 26.4769,
73.8595

■ 58.0987, 48.3563,
77.5065

■ 45.8931, 23.9453,
73.4374

■ 62.5203, 57.1997,
78.9805

■ 45.1068, 22.3728,
73.1753

■ 67.6906, 67.5401,
80.7040

44.7239, 21.6069,
73.0475

73.6418, 79.4426,
82.6879

44.6424, 21.4440,
73.0203

80.4026, 92.9641,
84.9416

80.4027, 92.9641,
84.9417

80.4027, 92.9641,
84.9418

80.4027, 92.9641,
84.9419

Harmonies

Analogous

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



42.3240, 34.8767, 108.3163



51.3584, 34.8767, 75.2592



55.4810, 34.8767, 40.9401

Triad

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



51.3584, 34.8767, 75.2592



34.1691, 34.8767, 5.7106



19.1417, 34.8767, 67.6312

Complementary

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



51.3584, 34.8767, 75.2592



38.0626, 59.2009, 27.1920

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.



17.7943, 34.8767, 35.1562



51.3584, 34.8767, 75.2592



25.4066, 34.8767, 7.4791

Square

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



51.3584, 34.8767, 75.2592



44.4155, 34.8767, 8.5012



19.8503, 34.8767, 15.6334



23.9701, 34.8767, 102.6046

Rectangle

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



51.3584, 34.8767, 75.2592



54.3916, 34.8767, 24.4677



19.8503, 34.8767, 15.6334



18.3131, 34.8767, 55.7144

Sweetspot

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



51.3596, 34.8783, 75.2599



84.6998, 79.2997, 105.4497



28.0543, 22.8639, 74.1698



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.



51.3596, 34.8783, 75.2599



65.1061, 40.1125, 98.9179



45.2637, 32.4399, 43.1595



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9166

Inverse Universe

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



51.3596, 34.8783, 75.2599



65.1061, 40.1125, 98.9179



42.1669, 60.8426, 48.8050



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9166

Previews

White Background



This preview shows how the XYZ color 51.3584, 34.8767, 75.2592 looks on a white background.

Color Contrast Check

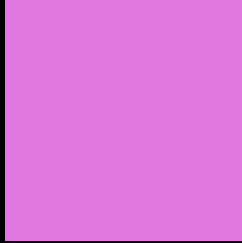
Large Text (above 18pt) WCAG AA × Fail

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 51.3584, 34.8767, 75.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

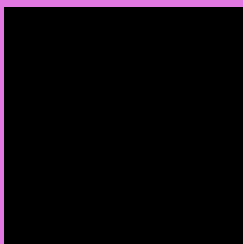
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3584, 34.8767, 75.2592

Background



This preview shows how black text looks on a background with the XYZ color 51.3584, 34.8767, 75.2592.



This preview shows how white text looks on a background with the XYZ color 51.3584, 34.8767,

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

51.3584, 34.8767, 75.2592

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.0371, 35.2665, 71.2374



Tritanopia

42.4581, 34.7621, 32.4890

Trichromacy



Original Color

51.3584, 34.8767, 75.2592



Protanomaly

40.6005, 33.8491, 89.9816



Deuteranomaly

40.0377, 33.9376, 72.8470



Tritanomaly

45.1662, 34.4273, 45.3389

Monochromacy



Original Color

51.3584, 34.8767, 75.2592



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 51.3584, 34.8767, 75.2592 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, 225)` looks like.

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

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, 225) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 51.3584, 34.8767, 75.2592 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, 225) }
```


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

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

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, 225)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 51.3584, 34.8767, 75.2592 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, 225) }
```

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

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

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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