

Converting Colors

XYZ(50.9458, 34.6168, 77.3980)

Have a look what the booklet for
XYZ(50.9458, 34.6168, 77.3980)
contains.

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Color

**XYZ(50.8443, 34.5640,
77.3905)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DE78E4 |
| RGB | 222, 120, 228 |
| RGB Percent | 87%, 47%, 89% |
| CMY | 0.1294, 0.5294, 0.1059 |
| CMYK | 0.03, 0.47, 0.00, 0.11 |
| HSL | 297°, 67%, 68% |
| HSV | 297°, 47%, 89% |
| XYZ | 50.8443, 34.5640, 77.3905 |
| YIQ | 162.8100, 26.1240, 55.2120 |

Conversions

Conversions Part 2

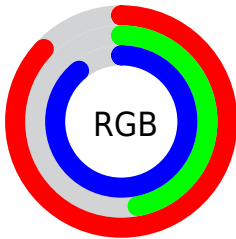
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 222, 120, 228 |
| Decimal | 14579940 |
| CIE _{Lab} | 65.41, 54.99, -38.13 |
| CIE _{LCh} | 65, 66.916, 325.264 |
| Yxy | 34.5640, 0.3123, 0.2123 |
| Android (android.graphics.Color) | 4292770020 (0xFFDE78E4) |
| YUV | 162.8100, 32.1387, 51.9096 |
| Hunter-Lab | 58.7912, 51.4875, -36.8934 |

Details

The XYZ color **50.8443, 34.5640, 77.3905** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.7389, 61.2793, 27.5046**, and the grayscale version is **34.5691, 36.3694, 39.6063**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **24.9117, 14.8743, 40.5878** is the 20% darker color. If you saturate the color by 10%, you get **48.0356, 29.5194, 76.5653**, and if you desaturate by 10%, it is **54.3111, 40.9186, 78.4348**.

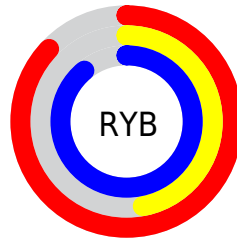
Distribution



Red (87%)

Green (47%)

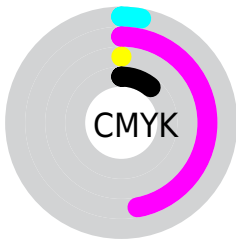
Blue (89%)



Red (87%)

Yellow (47%)

Blue (89%)

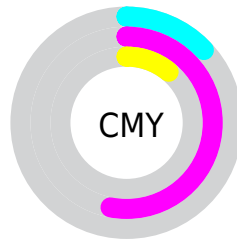


Cyan (3%)

Magenta (47%)

Yellow (0%)

Black (11%)



Cyan (13%)


Magenta (53%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8443, 34.5640, 77.3905 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 50.8443, 34.5640, 77.3905 by changing the saturation by 10% instead.


 50.8443, 34.5640,
77.3905


 50.8443, 34.5640,
77.3905

380.3562,
322.6396, 505.5674


 36.3052, 23.3272,
57.0600


 90.6089, 66.8098,
131.4686

 24.8412, 14.8353,
40.6437

 116.5652, 88.5876,
166.0532

 16.0869, 8.7039,
27.7232


 147.0580,
114.6478, 206.2263

 9.6769, 4.5485,
17.8799

182.4526,
145.3749, 252.4064

 5.2459, 1.9849,
10.6952

223.1143,
181.1532, 305.0120

 2.4285, 0.5987,
5.7507

269.4086,

 0.8593, 0.0000,

222.3672, 364.4617

2.6278

321.7008,
269.4012, 431.1740

■ 0.0000, 0.0000,
0.9067

■ 0.0000, 0.0000,
0.0000

■ 50.8443, 34.5640,
77.3905

■ 50.8443, 34.5640,
77.3905

■ 48.0356, 29.5194,
76.5653

■ 54.3111, 40.9186,
78.4348

■ 45.8342, 25.6862,
75.9415


■ 58.4747, 48.6635,
79.7103


■ 44.1881, 22.9590,
75.5018


■ 63.3754, 57.8780,
81.2306


■ 43.0345, 21.2125,
75.2255


■ 69.0489, 68.6341,
83.0077


 42.2901, 20.2804,
75.0848


 75.5291, 80.9989,
85.0528

 42.1267, 20.0994,
75.0585

 82.2688, 93.8785,
87.1836

 82.6758, 94.0883,
87.2026

 83.0858, 94.2997,
87.2218

 83.4988, 94.5125,
87.2412

Harmonies

Analogous

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



41.5441, 34.5640, 110.3165



50.8443, 34.5640, 77.3905



55.3679, 34.5640, 42.2556

Triad

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



50.8443, 34.5640, 77.3905



34.4283, 34.5640, 5.4419



18.6178, 34.5640, 65.5985

Complementary

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



50.8443, 34.5640, 77.3905



39.7389, 61.2793, 27.5046

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.



17.4557, 34.5640, 33.3629



50.8443, 34.5640, 77.3905



25.4658, 34.5640, 6.9275

Square

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



50.8443, 34.5640, 77.3905



44.7670, 34.5640, 8.4673



19.7008, 34.5640, 14.5413



23.2644, 34.5640, 101.4622

Rectangle

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



50.8443, 34.5640, 77.3905



54.5241, 34.5640, 25.1676



19.7008, 34.5640, 14.5413



17.8515, 34.5640, 53.6583

Sweetspot

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



50.8455, 34.5655, 77.3912



83.9740, 78.9255, 105.4160



29.3660, 24.8266, 76.6435



17.6474, 16.2756, 22.4613



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.



50.8455, 34.5655, 77.3912



61.9200, 38.0572, 98.6900



47.0735, 33.2728, 47.7664



14.9119, 14.5723, 18.1711



24.3594, 11.6236, 43.3429



1.8244, 0.8715, 3.2040

Inverse Universe

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



42.4784, 31.4347, 23.5687



50.0319, 33.6379, 20.9094



42.4469, 62.2634, 46.2448



14.4093, 14.3809, 15.0897



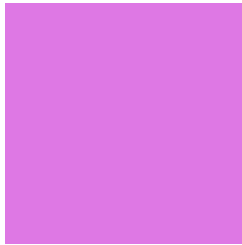
18.5294, 9.5460, 1.1507



1.3808, 0.7100, 0.1456

Previews

White Background



This preview shows how the XYZ color 50.8443, 34.5640, 77.3905 looks on a white background.

Color Contrast Check

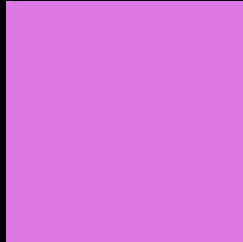
Large Text (above 18pt) WCAG AA × Fail

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 50.8443, 34.5640, 77.3905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

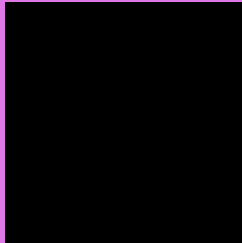
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8443, 34.5640, 77.3905

Background



This preview shows how black text looks on a background with the XYZ color 50.8443, 34.5640, 77.3905.



This preview shows how white text looks on a background with the XYZ color 50.8443, 34.5640,

77.3905.

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

50.8443, 34.5640, 77.3905

Protanopia

37.8236, 35.0619, 99.3818

Deuteranopia

35.5893, 34.7377, 73.2359



Tritanopia

41.8088, 34.6322, 32.9149

Trichromacy



Original Color

50.8443, 34.5640, 77.3905



Protanomaly

40.4044, 33.5066, 90.7241



Deuteranomaly

39.7900, 33.7634, 74.9408



Tritanomaly

44.6060, 34.3158, 46.3921

Monochromacy



Original Color

50.8443, 34.5640, 77.3905



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

39.1705, 34.6456, 51.6365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8443, 34.5640, 77.3905 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, 120, 228)` looks like.

```
.text, #text, p{  
    color:rgb(222, 120, 228)  
}
```

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, 120, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 120, 228) }
```

Border

The CSS property to change the border of an element to XYZ 50.8443, 34.5640, 77.3905 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, 120, 228) }
```


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

```
.border{ border-color:rgb(222, 120, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 120, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 120, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 120, 228);  
box-shadow:4px 4px 4px 4px rgb(222, 120,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8443, 34.5640, 77.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 120, 228) }
```

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

```
.background{ background-color: rgb(222,  
120, 228) }
```

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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