

Converting Colors

XYZ(51.8080, 35.0927, 75.9945)

Have a look what the booklet for
XYZ(51.8080, 35.0927, 75.9945)
contains.

XYZ(51.8080, 35.0927, 75.9945)	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(51.8080, 35.0927,
75.9945)**

Conversions

Conversions Part 1

Format	Color
Hex	E278E2
RGB	226, 120, 226
RGB Percent	89%, 47%, 89%
CMY	0.1137, 0.5294, 0.1137
CMYK	0.00, 0.47, 0.00, 0.11
HSL	300°, 65%, 68%
HSV	300°, 47%, 89%
XYZ	51.8080, 35.0927, 75.9945
YIQ	163.7780, 29.1500, 55.4380

Conversions

Conversions Part 2

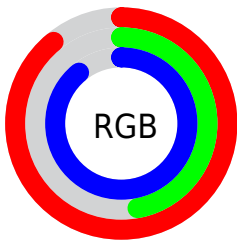
Format	Color
R _Y B	226, 120, 226
Decimal	14842082
CIE Lab	65.82, 55.76, -36.34
CIE LCh	66, 66.554, 326.909
Yxy	35.0927, 0.3180, 0.2154
Android (android.graphics.Color)	4293032162 (0xFFE278E2)
YUV	163.7780, 30.6754, 54.5687
Hunter-Lab	59.2391, 52.4401, -34.5924

Details

The XYZ color **51.8080, 35.0927, 75.9945** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.3338, 59.7432, 27.2825**, and the grayscale version is **35.0316, 36.8559, 40.1361**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **25.3524, 15.1235, 39.6131** is the 20% darker color. If you saturate the color by 10%, you get **49.4043, 30.2845, 75.1935**, and if you desaturate by 10%, it is **54.8555, 41.1867, 77.0108**.

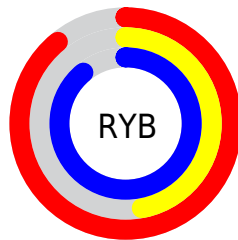
Distribution



Red (89%)

Green (47%)

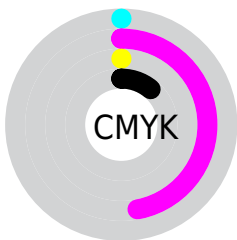
Blue (89%)



Red (89%)

Yellow (47%)

Blue (89%)

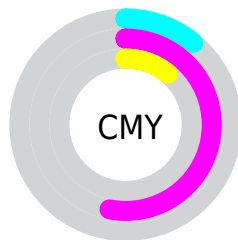


Cyan (0%)

Magenta (47%)

Yellow (0%)

Black (11%)



Cyan (11%)


Magenta (53%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8080, 35.0927, 75.9945 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 51.8080, 35.0927, 75.9945 by changing the saturation by 10% instead.


 51.8080, 35.0927,
75.9945


 51.8080, 35.0927,
75.9945

384.0311,
324.9773, 500.6752


 37.0757, 23.7343,
55.9214


 92.0239, 67.6294,
129.4791

 25.4401, 15.1366,
39.7363


 118.2383, 89.5764,
163.7277

 16.5357, 8.9153,
27.0208


 149.0107,
115.8217, 203.5386

 9.9973, 4.6860,
17.3563

184.7065,
146.7498, 249.3302

 5.4594, 2.0642,
10.3242

225.6911,
182.7450, 301.5211

 2.5567, 0.6444,
5.5060

272.3298,

 0.9240, 0.0000,

224.1918, 360.5299

2.4832

324.9880,
271.4744, 426.7751

■ 0.0000, 0.0000,
0.8313

■ 0.0000, 0.0000,
0.0000

■ 51.8080, 35.0927,
75.9945

■ 51.8080, 35.0927,
75.9945

■ 49.4043, 30.2845,
75.1935

■ 54.8555, 41.1867,
77.0108

■ 47.5949, 26.6658,
74.5902


■ 58.5844, 48.6446,
78.2539


■ 46.3292, 24.1343,
74.1682


■ 63.0339, 57.5436,
79.7372


■ 45.5463, 22.5687,
73.9071


■ 68.2392, 67.9540,
81.4724


 45.1680, 21.8120,
73.7809


 74.2329, 79.9414,
83.4704

 45.0920, 21.6600,
73.7555

 80.8522, 93.1801,
85.6770

 80.8523, 93.1801,
85.6771

 80.8523, 93.1801,
85.6773

 80.8523, 93.1801,
85.6774

Harmonies

Analogous

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



42.6512, 35.0927, 109.5677



51.8080, 35.0927, 75.9945



55.9865, 35.0927, 41.2011

Triad

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



51.8080, 35.0927, 75.9945



34.3832, 35.0927, 5.6535



19.1906, 35.0927, 68.2828

Complementary

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



51.8080, 35.0927, 75.9945



38.3338, 59.7432, 27.2825

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.



17.8288, 35.0927, 35.3673



51.8080, 35.0927, 75.9945



25.5177, 35.0927, 7.4283

Square

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



51.8080, 35.0927, 75.9945



44.7630, 35.0927, 8.4506



19.9036, 35.0927, 15.6361



24.0706, 35.0927, 103.7863

Rectangle

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



51.8080, 35.0927, 75.9945



54.8797, 35.0927, 24.5404



19.9036, 35.0927, 15.6361



18.3534, 35.0927, 56.1961

Sweetspot

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



51.8092, 35.0943, 75.9952



84.6998, 79.2997, 105.4497



28.1913, 22.9188, 74.8906



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.



51.8092, 35.0943, 75.9952



65.1061, 40.1125, 98.9178



45.6248, 32.6205, 43.4286



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.



51.8092, 35.0943, 75.9952



65.1061, 40.1125, 98.9178



42.4864, 61.4043, 49.1499



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 51.8080, 35.0927, 75.9945 looks on a white background.

Color Contrast Check

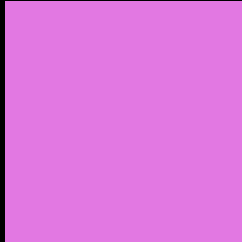
Large Text (above 18pt) WCAG AA × Fail

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 51.8080, 35.0927, 75.9945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

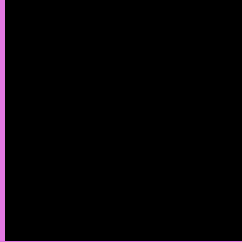
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8080, 35.0927, 75.9945

Background



This preview shows how black text looks on a background with the XYZ color 51.8080, 35.0927, 75.9945.



This preview shows how white text looks on a background with the XYZ color 51.8080, 35.0927,

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

51.8080, 35.0927, 75.9945

Protanopia

38.2753, 35.5449, 99.4513

Deuteranopia

36.1684, 35.3190, 71.9288



Tritanopia

42.7527, 34.9140, 32.5027

Trichromacy



Original Color

51.8080, 35.0927, 75.9945



Protanomaly

40.7996, 33.9518, 89.9909



Deuteranomaly

40.3917, 34.1047, 73.5612



Tritanomaly

45.4680, 34.5828, 45.3530

Monochromacy



Original Color

51.8080, 35.0927, 75.9945



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

40.0531, 35.3325, 51.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8080, 35.0927, 75.9945 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(226, 120, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 120, 226) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 51.8080, 35.0927, 75.9945 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(226, 120, 226) }
```


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

```
.border{ border-color:rgb(226, 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(226, 120, 226)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 51.8080, 35.0927, 75.9945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(226,  
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](#).

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