

Converting Colors

XYZ(38.4862, 29.0640, 74.8206)

Have a look what the booklet for
XYZ(38.4862, 29.0640, 74.8206)
contains.

XYZ(38.6034, 29.2174, 74.8391)	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(38.6034, 29.2174,
74.8391)**

Conversions

Conversions Part 1

Format	Color
Hex	AF7DE1
RGB	175, 125, 225
RGB Percent	69%, 49%, 88%
CMY	0.3137, 0.5098, 0.1176
CMYK	0.22, 0.44, 0.00, 0.12
HSL	270°, 63%, 69%
HSV	270°, 44%, 88%
XYZ	38.6034, 29.2174, 74.8391
YIQ	151.3500, -2.3000, 41.7000

Conversions

Conversions Part 2

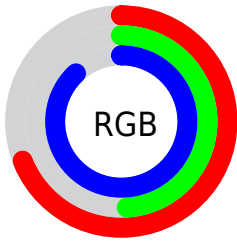
Format	Color
RYB	175, 125, 225
Decimal	11501025
CIELab	60.97, 38.50, -43.79
CIELCh	61, 58.310, 311.322
Yxy	29.2174, 0.2706, 0.2048
Android (android.graphics.Color)	4289691105 (0xFFAF7DE1)
YUV	151.3500, 36.3095, 20.7411
Hunter-Lab	54.0531, 32.8873, -44.2526

Details

The XYZ color **38.6034, 29.2174, 74.8391** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.3068, 64.4457, 29.2963**, and the grayscale version is **29.4162, 30.9481, 33.7025**.

A 20% lighter version of the original color is **67.4488, 56.6160, 101.9808**, and **17.4232, 11.8898, 38.9128** is the 20% darker color. If you saturate the color by 10%, you get **33.6505, 22.9044, 73.8821**, and if you desaturate by 10%, it is **44.4139, 36.9313, 76.0223**.

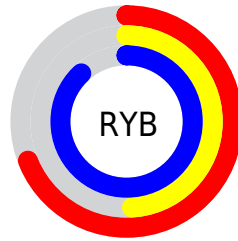
Distribution



Red (69%)

Green (49%)

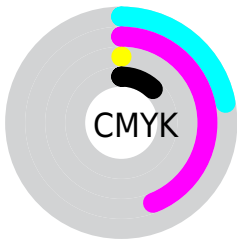
Blue (88%)



Red (69%)

Yellow (49%)

Blue (88%)

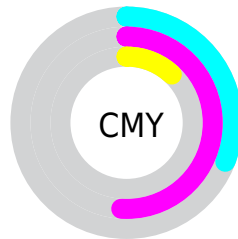


Cyan (22%)

Magenta (44%)

Yellow (0%)

Black (12%)



Cyan (31%)

Magenta (51%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6034, 29.2174, 74.8391 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 38.6034, 29.2174, 74.8391 by changing the saturation by 10% instead.

38.6034, 29.2174,
74.8391

38.6034, 29.2174,
74.8391

331.4376,
298.2393, 496.6050

26.6307, 19.2453,
54.9801

72.3300, 58.4223,
127.8296

17.4312, 11.8477,
38.9873

94.8146, 78.4240,
161.7982

10.6396, 6.6401,
26.4421

121.5339,
102.5376, 201.3071

5.8905, 3.2380,
16.9260

152.8532,
131.1476, 246.7748

2.8187, 1.2572,
10.0203

189.1378,
164.6384, 298.6200

1.0586, 0.1077,
5.3066

230.7532,

0.0000, 0.0000,

203.3943, 357.2610

2.3664

278.0647,
247.7999, 423.1165

■ 0.0000, 0.0000,
0.7681

■ 0.0000, 0.0000,
0.0000

■ 38.6034, 29.2174,
74.8391

■ 38.6034, 29.2174,
74.8391

■ 33.6505, 22.9044,
73.8821

■ 44.4139, 36.9313,
76.0223

■ 29.5028, 17.8981,
73.1344

■ 51.1238, 46.1252,
77.4432


■ 26.1064, 14.0974,
72.5798

■ 58.7755, 56.8762,
79.1151


■ 23.3982, 11.3846,
72.1989


■ 67.4079, 69.2549,
81.0495


 21.3022, 9.6161,
71.9680

 77.0573, 83.3275,
83.2572

 20.3368, 8.9140,
71.8834

 86.1412, 95.9225,
85.2095

 90.1330, 97.9803,
85.3963

 90.5907, 98.2163,
85.4177

Harmonies

Analogous

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



30.7451, 29.2174, 93.1874



38.6034, 29.2174, 74.8391



44.0784, 29.2174, 47.2198

Triad

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



38.6034, 29.2174, 74.8391



32.7281, 29.2174, 6.3288



15.7454, 29.2174, 40.7758

Complementary

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



38.6034, 29.2174, 74.8391



48.3068, 64.4457, 29.2963

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.



16.0808, 29.2174, 20.1849



38.6034, 29.2174, 74.8391



24.9938, 29.2174, 5.8661

Square

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



38.6034, 29.2174, 74.8391



40.2815, 29.2174, 11.3807



19.1809, 29.2174, 9.5693



18.1617, 29.2174, 68.3102

Rectangle

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



38.6034, 29.2174, 74.8391



45.1306, 29.2174, 30.8550



19.1809, 29.2174, 9.5693



15.5537, 29.2174, 32.7902

Sweetspot

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



38.6045, 29.2186, 74.8398



79.5343, 77.6337, 105.4006



37.3790, 40.4572, 77.0736



16.5081, 15.8844, 22.4459



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.



38.6045, 29.2186, 74.8398



45.3463, 31.2355, 98.2468



51.9763, 36.1120, 75.4656



13.6018, 13.5782, 17.2917



11.8538, 5.2061, 41.4285



0.9249, 0.4141, 2.8764

Inverse Universe

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



46.1236, 33.7709, 44.6456



56.9536, 38.2629, 51.6359



39.0852, 59.6918, 28.8648



13.9916, 13.8143, 15.7261



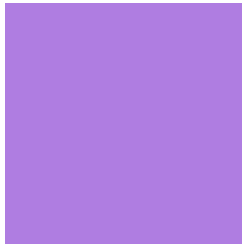
19.6536, 9.9284, 10.1074



1.4075, 0.7063, 0.9386

Previews

White Background



This preview shows how the XYZ color 38.6034, 29.2174, 74.8391 looks on a white background.

Color Contrast Check

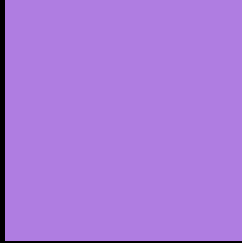
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6034, 29.2174, 74.8391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

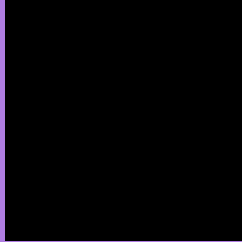
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6034, 29.2174, 74.8391

Background



This preview shows how black text looks on a background with the XYZ color 38.6034, 29.2174, 74.8391.



This preview shows how white text looks on a background with the XYZ color 38.6034, 29.2174,

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

38.6034, 29.2174, 74.8391

Protanopia

32.1846, 29.5455, 88.0109

Deuteranopia

30.4243, 29.6653, 72.5291



Tritanopia

30.2966, 29.1033, 33.7265

Trichromacy



Original Color

38.6034, 29.2174, 74.8391

Protanomaly

33.6017, 28.8530, 83.1551

Deuteranomaly

32.5708, 28.9734, 72.9830

Tritanomaly

32.7370, 28.7981, 46.4810

Monochromacy



Original Color

38.6034, 29.2174, 74.8391

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.2061, 30.0339, 46.2192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6034, 29.2174, 74.8391 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(175, 125, 225)` looks like.

```
.text, #text, p{  
    color:rgb(175, 125, 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(175, 125, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 125, 225) }
```

Border

The CSS property to change the border of an element to XYZ 38.6034, 29.2174, 74.8391 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(175, 125, 225) }
```


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

```
.border{ border-color:rgb(175, 125, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 125, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 125, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 125, 225);  
box-shadow:4px 4px 4px 4px rgb(175, 125,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6034, 29.2174, 74.8391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 125, 225) }
```

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

```
.background{ background-color: rgb(175,  
125, 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](#).

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