

Converting Colors

XYZ(40.6303, 29.7346, 81.4773)

Have a look what the booklet for
XYZ(40.6303, 29.7346, 81.4773)
contains.

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Color

**XYZ(40.5246, 29.6901,
81.4368)**

Conversions

Conversions Part 1

Format	Color
Hex	B37BEA
RGB	179, 123, 234
RGB Percent	70%, 48%, 92%
CMY	0.2980, 0.5176, 0.0824
CMYK	0.24, 0.47, 0.00, 0.08
HSL	270°, 73%, 70%
HSV	270°, 47%, 92%
XYZ	40.5246, 29.6901, 81.4368
YIQ	152.3980, -2.2550, 46.3930

Conversions

Conversions Part 2

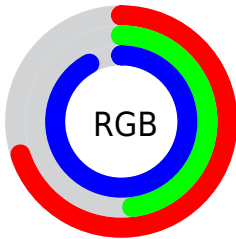
Format	Color
R_{YB}	179, 123, 234
Decimal	11762666
CIE _{Lab}	61.39, 42.77, -48.12
CIE _{LCh}	61, 64.378, 311.628
Yxy	29.6901, 0.2672, 0.1958
Android (android.graphics.Color)	4289952746 (0xFFB37BEA)
YUV	152.3980, 40.2298, 23.3300
Hunter-Lab	54.4886, 37.4000, -50.4707

Details

The XYZ color **40.5246, 29.6901, 81.4368** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.3588, 69.7413, 29.4945**, and the grayscale version is **29.8501, 31.4046, 34.1997**.

A 20% lighter version of the original color is **68.6972, 56.6688, 101.9252**, and **18.5216, 12.0600, 43.4711** is the 20% darker color. If you saturate the color by 10%, you get **35.3933, 23.2389, 80.4626**, and if you desaturate by 10%, it is **46.5772, 37.6471, 82.6542**.

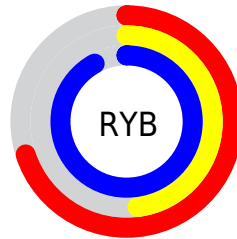
Distribution



Red (70%)

Green (48%)

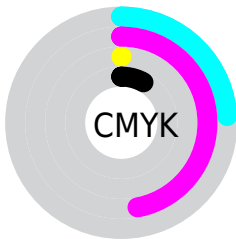
Blue (92%)



Red (70%)

Yellow (48%)

Blue (92%)

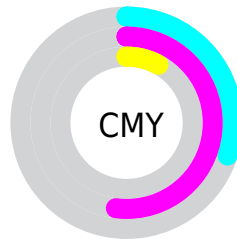


Cyan (24%)

Magenta (47%)

Yellow (0%)

Black (8%)



Cyan (30%)

Magenta (52%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5246, 29.6901, 81.4368 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 40.5246, 29.6901, 81.4368 by changing the saturation by 10% instead.

40.5246, 29.6901,
81.4368

40.5246, 29.6901,
81.4368

339.4264,
300.4573, 519.5958

28.1338, 19.6035,
60.3683

75.2410, 59.1717,
137.2135

18.5675, 12.1071,
43.2883

98.2973, 79.3356,
172.7588

11.4604, 6.8167,
29.7783

125.6395,
103.6272, 213.9668

6.4469, 3.3477,
19.4198

157.6329,
132.4312, 261.2560

3.1619, 1.3159,
11.7941

194.6430,
166.1317, 315.0449

1.2400, 0.1534,
6.4828

237.0350,

0.1376, 0.0000,

205.1133, 375.7522

3.0673

285.1744,
249.7604, 443.7963

■ 0.0000, 0.0000,
1.1291

■ 0.0000, 0.0000,
0.0000

■ 40.5246, 29.6901,
81.4368

■ 40.5246, 29.6901,
81.4368

■ 35.3933, 23.2389,
80.4626

■ 46.5772, 37.6471,
82.6542

■ 31.1241, 18.1868,
79.7124

■ 53.5983, 47.1996,
84.1279

■ 27.6554, 14.4179,
79.1678

■ 61.6355, 58.4344,
85.8729

■ 24.9144, 11.7952,
78.8060

■ 70.7323, 71.4309,
87.9020

■ 22.8059, 10.1380,
78.5973

■ 80.9292, 86.2630,
90.2274

■ 22.3302, 9.7960,
78.5563

■ 89.5250, 97.5213,
91.9474

■ 91.8514, 98.7206,
92.0563

Harmonies

Analogous

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



31.6426, 29.6901, 103.2352



40.5246, 29.6901, 81.4368



46.7396, 29.6901, 49.4333

Triad

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



40.5246, 29.6901, 81.4368



33.6891, 29.6901, 5.1497



15.0504, 29.6901, 42.7060

Complementary

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



40.5246, 29.6901, 81.4368



51.3588, 69.7413, 29.4945

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.



15.3799, 29.6901, 19.7077



40.5246, 29.6901, 81.4368



25.0528, 29.6901, 4.7423

Square

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



40.5246, 29.6901, 81.4368



42.2794, 29.6901, 10.1414



18.6977, 29.6901, 8.4483



17.6835, 29.6901, 74.4405

Rectangle

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



40.5246, 29.6901, 81.4368



47.9058, 29.6901, 31.0163



18.6977, 29.6901, 8.4483



14.8352, 29.6901, 33.6751

Sweetspot

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



40.5257, 29.6913, 81.4375



78.4889, 76.0978, 105.1593



39.0407, 42.1926, 83.9288



16.3034, 15.5827, 22.3984



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.



40.5257, 29.6913, 81.4375



43.1121, 28.3614, 97.8098



55.8667, 37.5998, 82.1554



14.9555, 14.9223, 19.0143



12.6938, 5.5798, 44.1509



1.1078, 0.4954, 3.4721

Inverse Universe

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



49.0513, 34.8737, 46.2662



55.1876, 35.7002, 48.0592



41.1672, 64.4874, 29.0175



15.3767, 15.1785, 17.2688



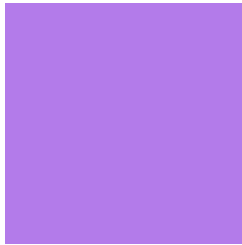
20.9009, 10.5630, 10.5452



1.6898, 0.8489, 1.0836

Previews

White Background



This preview shows how the XYZ color 40.5246, 29.6901, 81.4368 looks on a white background.

Color Contrast Check

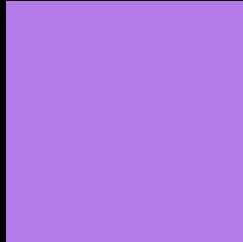
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.5246, 29.6901, 81.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

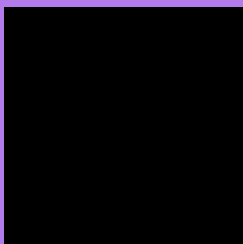
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.5246, 29.6901, 81.4368

Background



This preview shows how black text looks on a background with the XYZ color 40.5246, 29.6901, 81.4368.

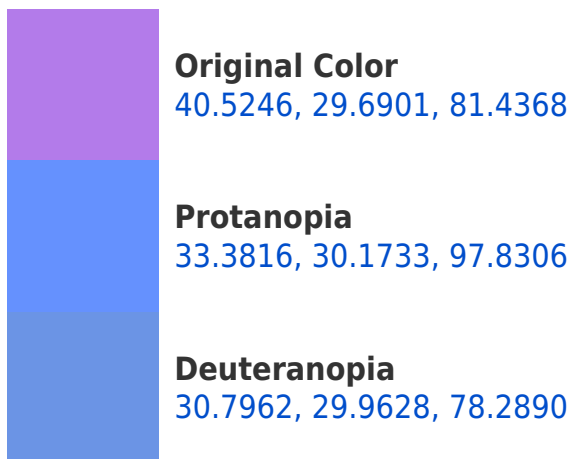


This preview shows how white text looks on a background with the XYZ color 40.5246, 29.6901,

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

30.9398, 29.6452, 34.2284

Trichromacy



Original Color

40.5246, 29.6901, 81.4368

Protanomaly

34.7874, 29.2738, 91.8126

Deuteranomaly

33.3293, 29.2213, 79.4849

Tritanomaly

33.6850, 29.2514, 48.1267

Monochromacy



Original Color

40.5246, 29.6901, 81.4368

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.8687, 30.1085, 48.3351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5246, 29.6901, 81.4368 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(179, 123, 234)` looks like.

```
.text, #text, p{  
    color:rgb(179, 123, 234)  
}
```

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(179, 123, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 123, 234) }
```

Border

The CSS property to change the border of an element to XYZ 40.5246, 29.6901, 81.4368 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(179, 123, 234) }
```


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

```
.border{ border-color:rgb(179, 123, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 123, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 123, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 123, 234);  
box-shadow:4px 4px 4px 4px rgb(179, 123,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5246, 29.6901, 81.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 123, 234) }
```

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

```
.background{ background-color: rgb(179,  
123, 234) }
```

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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