

Converting Colors

XYZ(40.0176, 30.2884, 81.0746)

Have a look what the booklet for
XYZ(40.0176, 30.2884, 81.0746)
contains.

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Color

**XYZ(40.1063, 30.4355,
80.8516)**

Conversions

Conversions Part 1

Format	Color
Hex	AF80E9
RGB	175, 128, 233
RGB Percent	69%, 50%, 91%
CMY	0.3137, 0.4980, 0.0863
CMYK	0.25, 0.45, 0.00, 0.09
HSL	267°, 70%, 71%
HSV	267°, 45%, 91%
XYZ	40.1063, 30.4355, 80.8516
YIQ	154.0230, -5.6930, 42.6190

Conversions

Conversions Part 2

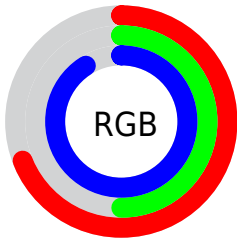
Format	Color
R_{YB}	175, 128, 233
Decimal	11501801
CIE _{Lab}	62.03, 38.70, -46.58
CIE _{LCh}	62, 60.555, 309.721
Yxy	30.4355, 0.2649, 0.2010
Android (android.graphics.Color)	4289691881 (0xFFAF80E9)
YUV	154.0230, 38.9357, 18.3968
Hunter-Lab	55.1684, 33.2212, -48.2741

Details

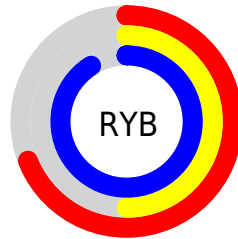
The XYZ color **40.1063, 30.4355, 80.8516** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.2857, 70.2761, 31.1794**, and the grayscale version is **30.5627, 32.1543, 35.0160**.

A 20% lighter version of the original color is **68.0567, 57.8317, 102.1834**, and **18.3354, 12.4751, 43.0365** is the 20% darker color. If you saturate the color by 10%, you get **34.6566, 23.6213, 79.8241**, and if you desaturate by 10%, it is **46.5313, 38.7895, 82.1260**.

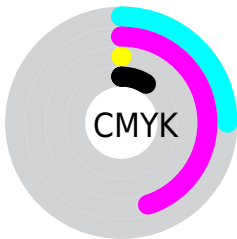
Distribution



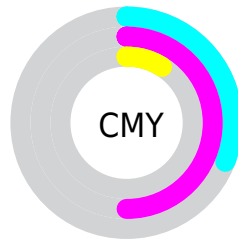
- Red (69%)
- Green (50%)
- Blue (91%)



- Red (69%)
- Yellow (50%)
- Blue (91%)



- Cyan (25%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1063, 30.4355, 80.8516 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 40.1063, 30.4355, 80.8516 by changing the saturation by 10% instead.

40.1063, 30.4355,
80.8516

40.1063, 30.4355,
80.8516

337.6981,
303.9292, 517.5804

27.8060, 20.1694,
59.8891

74.6087, 60.3502,
136.3846

18.3192, 12.5182,
42.9045

97.5415, 80.7676,
171.7921

11.2805, 7.0976,
29.4794

124.7491,
105.3375, 212.8518

6.3245, 3.5232,
19.1951

156.5970,
134.4444, 259.9821

3.0859, 1.4106,
11.6331

193.4505,
168.4726, 313.6015

1.1994, 0.2245,
6.3749

235.6750,

0.1059, 0.0000,

207.8065, 374.1287

3.0019

283.6357,
252.8306, 441.9822

■ 0.0000, 0.0000,
1.0956

■ 0.0000, 0.0000,
0.0000

■ 40.1063, 30.4355,
80.8516

■ 40.1063, 30.4355,
80.8516

■ 34.6566, 23.6213,
79.8241

■ 46.5313, 38.7895,
82.1260

■ 30.1228, 18.2424,
79.0248

■ 53.9794, 48.7710,
83.6600

■ 26.4433, 14.1868,
78.4359

■ 62.4991, 60.4654,
85.4683

■ 23.5464, 11.3232,
78.0359

■ 72.1344, 73.9509,
87.5634

■ 21.3452, 9.4912,
77.7983

■ 82.9270, 89.3006,
89.9574

■ 20.4515, 8.8441,
77.7205

■ 90.6945, 98.1407,
91.2543

■ 91.7081, 98.6632,
91.3017

Harmonies

Analogous

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



31.6473, 30.4355, 99.7091



40.1063, 30.4355, 80.8516



46.1995, 30.4355, 51.1949

Triad

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



40.1063, 30.4355, 80.8516



34.6887, 30.4355, 6.3919



16.0985, 30.4355, 41.2836

Complementary

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



40.1063, 30.4355, 80.8516



53.2857, 70.2761, 31.1794

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.



16.6072, 30.4355, 19.9228



40.1063, 30.4355, 80.8516



26.3692, 30.4355, 5.7064

Square

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



40.1063, 30.4355, 80.8516



42.6878, 30.4355, 11.9791



20.0476, 30.4355, 9.2605



18.4971, 30.4355, 70.7509

Rectangle

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



40.1063, 30.4355, 80.8516



47.5353, 30.4355, 33.3578



20.0476, 30.4355, 9.2605



15.9473, 30.4355, 32.9214

Sweetspot

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



40.1074, 30.4367, 80.8523



77.8134, 75.7496, 105.1277



41.4876, 46.2266, 83.8273



16.1392, 15.4981, 22.3908



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.



40.1074, 30.4367, 80.8523



43.0223, 29.5889, 98.0514



53.7920, 37.4913, 81.4927



14.8714, 14.8790, 19.0104



11.7426, 5.0894, 44.1064



1.0313, 0.4560, 3.4685

Inverse Universe

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



50.1872, 36.3082, 50.8182



57.3024, 37.9191, 54.9632



43.0278, 64.9880, 30.6994



15.4137, 15.1933, 17.4639



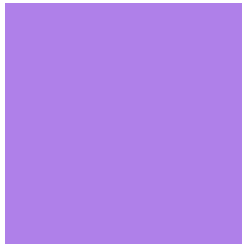
21.3684, 10.7501, 13.0073



1.7263, 0.8635, 1.2760

Previews

White Background



This preview shows how the XYZ color 40.1063, 30.4355, 80.8516 looks on a white background.

Color Contrast Check

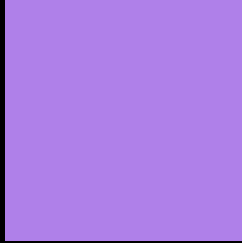
Large Text (above 18pt) WCAG AA × Fail

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 40.1063, 30.4355, 80.8516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

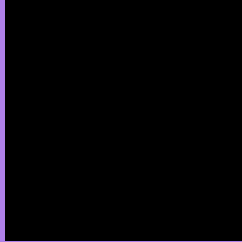
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1063, 30.4355, 80.8516

Background



This preview shows how black text looks on a background with the XYZ color 40.1063, 30.4355, 80.8516.

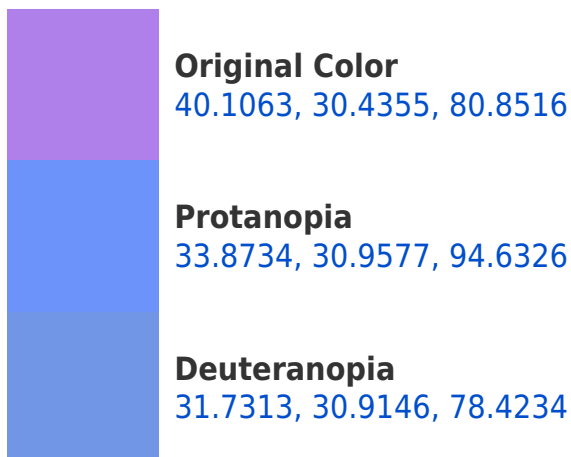


This preview shows how white text looks on a background with the XYZ color 40.1063, 30.4355,

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

30.9091, 30.2622, 36.1104

Trichromacy



Original Color

40.1063, 30.4355, 80.8516



Protanomaly

35.2229, 30.1934, 89.5594



Deuteranomaly

33.9476, 30.2101, 78.9048



Tritanomaly

33.7155, 30.0750, 49.9270

Monochromacy



Original Color

40.1063, 30.4355, 80.8516



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

33.5729, 31.3511, 49.0816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1063, 30.4355, 80.8516 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, 128, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 128, 233)  
}
```

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, 128, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 128, 233) }
```

Border

The CSS property to change the border of an element to XYZ 40.1063, 30.4355, 80.8516 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, 128, 233) }
```


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

```
.border{ border-color:rgb(175, 128, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 128, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 128, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 128, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 128,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1063, 30.4355, 80.8516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 128, 233) }
```

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

```
.background{ background-color: rgb(175,  
128, 233) }
```

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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