

Converting Colors

XYZ(30.8690, 19.6291, 68.3308)

Have a look what the booklet for
XYZ(30.8690, 19.6291, 68.3308)
contains.

XYZ(30.8426, 19.6185, 68.4908)	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(30.8426, 19.6185,
68.4908)**

Conversions

Conversions Part 1

Format	Color
Hex	A158DA
RGB	161, 88, 218
RGB Percent	63%, 35%, 85%
CMY	0.3686, 0.6549, 0.1451
CMYK	0.26, 0.60, 0.00, 0.15
HSL	274°, 64%, 60%
HSV	274°, 60%, 85%
XYZ	30.8426, 19.6185, 68.4908
YIQ	124.6470, 1.7780, 55.9060

Conversions

Conversions Part 2

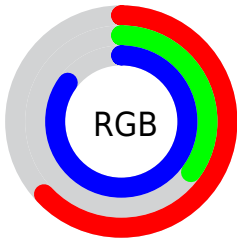
Format	Color
R _{YB}	161, 88, 218
Decimal	10574042
CIE _{Lab}	51.40, 53.06, -55.15
CIE _{LCh}	51, 76.532, 313.892
Yxy	19.6185, 0.2593, 0.1649
Android (android.graphics.Color)	4288764122 (0xFFFA158DA)
YUV	124.6470, 46.0230, 31.8816
Hunter-Lab	44.2928, 46.7834, -60.6764

Details

The XYZ color **30.8426, 19.6185, 68.4908** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **38.5102, 56.8674, 18.1799**, and the grayscale version is **19.2255, 20.2267, 22.0269**.

A 20% lighter version of the original color is **56.7883, 41.3298, 99.5921**, and **12.9483, 6.8140, 34.8152** is the 20% darker color. If you saturate the color by 10%, you get **27.4602, 15.6041, 67.8946**, and if you desaturate by 10%, it is **34.9088, 24.7801, 69.2731**.

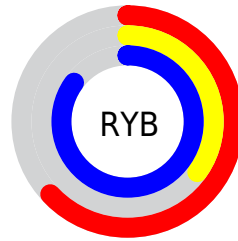
Distribution



Red (63%)

Green (35%)

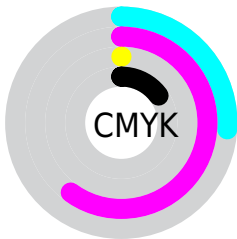
Blue (85%)



Red (63%)

Yellow (35%)

Blue (85%)

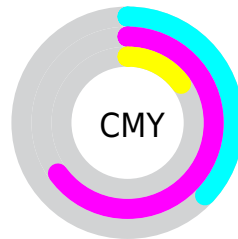


Cyan (26%)

Magenta (60%)

Yellow (0%)

Black (15%)



Cyan (37%)

Magenta (65%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8426, 19.6185, 68.4908 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 30.8426, 19.6185, 68.4908 by changing the saturation by 10% instead.

■ 30.8426, 19.6185,
68.4908

■ 30.8426, 19.6185,
68.4908

297.6524,
249.8423, 473.8782

■ 20.6303, 12.1180,
49.8279

■ 60.3697, 42.7766,
118.7148

■ 12.9649, 6.8241,
34.9065

■ 80.4152, 59.2031,
151.1131

■ 7.4812, 3.3523,
23.3079

■ 104.4691, 79.3737,
188.9269

■ 3.8138, 1.3183,
14.6136

■ 132.8968,
103.6728, 232.5748

■ 1.5974, 0.1553,
8.4050

166.0636,
132.4848, 282.4754

■ 0.3907, 0.0000,
4.2637

204.3349,

■ 0.0000, 0.0000,

166.1941, 339.0471

1.7711

248.0760,
205.1852, 402.7085

■ 0.0000, 0.0000,
0.4088

■ 0.0000, 0.0000,
0.0000

■ 30.8426, 19.6185,
68.4908

■ 30.8426, 19.6185,
68.4908

■ 27.4602, 15.6041,
67.8946

■ 34.9088, 24.7801,
69.2731

■ 24.7066, 12.6342,
67.4665

■ 39.7027, 31.1746,
70.2547

■ 22.5207, 10.5911,
67.1873

■ 45.2670, 38.8822,
71.4492

■ 20.7992, 9.2734,
67.0237

■ 51.6403, 47.9754,
72.8684

■ 20.7403, 9.2301,
67.0185

■ 58.8581, 58.5211,
74.5235

■ 66.9540, 70.5821,
76.4248

■ 75.9594, 84.2172,
78.5820

■ 83.4967, 94.6673,
80.2019

■ 86.7823, 96.3611,
80.3556

Harmonies

Analogous

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



22.4133, 19.6185, 94.1003



30.8426, 19.6185, 68.4908



36.6893, 19.6185, 35.3397

Triad

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



30.8426, 19.6185, 68.4908



23.0413, 19.6185, 1.0585



7.6882, 19.6185, 33.1803

Complementary

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



30.8426, 19.6185, 68.4908



38.5102, 56.8674, 18.1799

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.



7.7701, 19.6185, 11.6614



30.8426, 19.6185, 68.4908



15.3278, 19.6185, 1.0026

Square

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



30.8426, 19.6185, 68.4908



31.4096, 19.6185, 3.4280



10.1826, 19.6185, 3.0984



9.9158, 19.6185, 66.0123

Rectangle

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



30.8426, 19.6185, 68.4908



37.5509, 19.6185, 18.6227



10.1826, 19.6185, 3.0984



7.4703, 19.6185, 24.3558

Sweetspot

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



30.8434, 19.6192, 68.4913



75.0947, 70.5109, 104.2598



27.0361, 27.8496, 70.2806



15.4648, 14.2131, 22.1783



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.



30.8434, 19.6192, 68.4913



37.8961, 20.8338, 96.6317



44.2243, 26.6137, 64.7636



13.0347, 12.9760, 16.4698



12.5512, 5.5946, 40.1567



0.9115, 0.4131, 2.6061

Inverse Universe

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



37.5144, 23.9297, 29.4298



49.1780, 28.0812, 32.4908



31.1393, 53.0351, 19.3039



13.2920, 13.1459, 14.7988



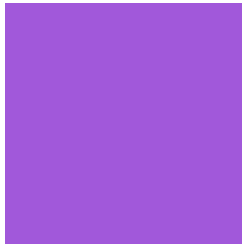
18.6276, 9.4521, 7.6851



1.2496, 0.6295, 0.7233

Previews

White Background



This preview shows how the XYZ color 30.8426, 19.6185, 68.4908 looks on a white background.

Color Contrast Check

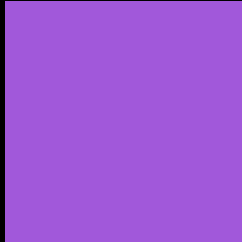
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8426, 19.6185, 68.4908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

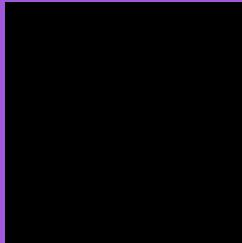
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8426, 19.6185, 68.4908

Background



This preview shows how black text looks on a background with the XYZ color 30.8426, 19.6185, 68.4908.



This preview shows how white text looks on a background with the XYZ color 30.8426, 19.6185,

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

30.8426, 19.6185, 68.4908

Protanopia

23.9307, 19.9786, 92.2175

Deuteranopia

20.5411, 19.9307, 64.3924



Tritanopia

21.2695, 19.4844, 21.3787

Trichromacy



Original Color

30.8426, 19.6185, 68.4908



Protanomaly

23.4380, 18.1049, 83.1482



Deuteranomaly

22.4381, 18.6036, 66.0266



Tritanomaly

23.9856, 19.1511, 34.7801

Monochromacy



Original Color

30.8426, 19.6185, 68.4908



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

22.5334, 19.4948, 35.3761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8426, 19.6185, 68.4908 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(161, 88, 218)` looks like.

```
.text, #text, p{  
    color:rgb(161, 88, 218)  
}
```

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(161, 88, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 88, 218) }
```

Border

The CSS property to change the border of an element to XYZ 30.8426, 19.6185, 68.4908 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(161, 88, 218) }
```


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

```
.border{ border-color:rgb(161, 88, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 88, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 88, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 88, 218);  
box-shadow:4px 4px 4px 4px rgb(161, 88,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8426, 19.6185, 68.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 88, 218) }
```

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

```
.background{ background-color: rgb(161, 88,  
218) }
```

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