

Converting Colors

XYZ(30.3043, 18.5805, 96.5969)

Have a look what the booklet for
XYZ(30.3043, 18.5805, 96.5969)
contains.

XYZ(30.3603, 18.6256, 96.6027)	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(30.3603, 18.6256,
96.6027)**

Conversions

Conversions Part 1

Format	Color
Hex	8057FF
RGB	128, 87, 255
RGB Percent	50%, 34%, 100%
CMY	0.4980, 0.6588, 0.0000
CMYK	0.50, 0.66, 0.00, 0.00
HSL	255°, 100%, 67%
HSV	255°, 66%, 100%
XYZ	30.3603, 18.6256, 96.6027
YIQ	118.4110, -29.4920, 60.9400

Conversions

Conversions Part 2

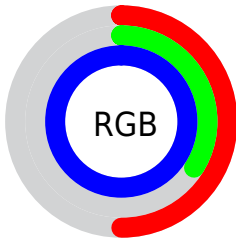
Format	Color
R _Y B	128, 87, 255
Decimal	8411135
CIE Lab	50.25, 56.25, -77.96
CIE LCh	50, 96.133, 305.809
Yxy	18.6256, 0.2085, 0.1279
Android (android.graphics.Color)	4286601215 (0xFF8057FF)
YUV	118.4110, 67.3384, 8.4096
Hunter-Lab	43.1574, 50.0455, -102.5035

Details

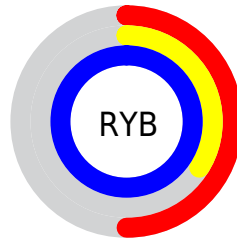
The XYZ color **30.3603, 18.6256, 96.6027** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **65.2102, 86.5034, 22.2768**, and the grayscale version is **17.1515, 18.0447, 19.6507**.

A 20% lighter version of the original color is **48.2689, 36.5041, 99.1097**, and **12.6955, 6.3171, 53.3735** is the 20% darker color. If you saturate the color by 10%, you get **26.0191, 13.8453, 95.9088**, and if you desaturate by 10%, it is **35.9828, 25.1482, 97.5653**.

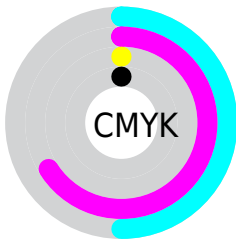
Distribution



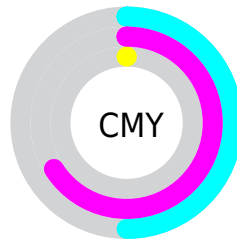
- Red (50%)
- Green (34%)
- Blue (100%)



- Red (50%)
- Yellow (34%)
- Blue (100%)



- Cyan (50%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3603, 18.6256, 96.6027 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 30.3603, 18.6256, 96.6027 by changing the saturation by 10% instead.

 30.3603, 18.6256,
96.6027


 30.3603, 18.6256,
96.6027


295.4601,
244.3740, 570.3981

 20.2617, 11.4001,
72.8654


 59.6142, 41.1005,
158.4915


 12.6948, 6.3366,
53.3747


 79.5002, 57.1186,
197.4801

 7.2942, 3.0508,
37.7122


 103.3794, 76.8364,
242.3895

 3.6947, 1.1583,
25.4593

 131.6171,
100.6383, 293.6383

 1.5309, 0.0273,
16.1975

 164.5786,
128.9085, 351.6450

 0.3467, 0.0000,
9.5081

202.6294,

 0.0000, 0.0000,

162.0317, 416.8282

4.9728

246.1348,
200.3920, 489.6064

■ 0.0000, 0.0000,
2.1728

■ 0.0000, 0.0000,
0.6586

■ 30.3603, 18.6256,
96.6027

■ 30.3603, 18.6256,
96.6027

■ 26.0191, 13.8453,
95.9088

■ 35.9828, 25.1482,
97.5653

■ 22.8444, 10.6282,
95.4551

■ 42.9816, 33.5645,
98.8210

■ 20.7027, 8.7568,
95.2068

■ 51.4455, 44.0107,
100.3912

■ 20.0517, 8.2519,
95.1437

■ 61.4548, 56.6101,
102.2956

■ 73.0835, 71.4757,
104.5520

■ 86.4010, 88.7130,
107.1772

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



19.5750, 18.6256, 125.7887



30.3603, 18.6256, 96.6027



39.5345, 18.6256, 49.3334

Triad

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



30.3603, 18.6256, 96.6027



26.0874, 18.6256, 0.0000



5.2076, 18.6256, 25.9167

Complementary

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



30.3603, 18.6256, 96.6027



65.2102, 86.5034, 22.2768

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.



5.8892, 18.6256, 5.7015



30.3603, 18.6256, 96.6027



15.9544, 18.6256, 0.0000

Square

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



30.3603, 18.6256, 96.6027



36.5227, 18.6256, 2.6517



9.1671, 18.6256, 0.6061



6.8015, 18.6256, 67.4160

Rectangle

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



30.3603, 18.6256, 96.6027



42.1929, 18.6256, 24.2576



9.1671, 18.6256, 0.6061



5.1881, 18.6256, 16.7631

Sweetspot

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



30.3612, 18.6261, 96.6027



68.0944, 65.0730, 103.5791



46.4852, 58.2556, 103.4022



13.8807, 13.0415, 22.0356



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.



30.3612, 18.6261, 96.6027



24.9098, 12.6837, 95.7430



48.0936, 27.7675, 97.4326



17.4182, 17.5918, 22.7275



10.5891, 4.3694, 49.7198



1.1246, 0.4737, 4.8454

Inverse Universe

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



56.7851, 32.9312, 66.9780



53.6582, 28.3046, 60.9194



46.9648, 77.0976, 21.4229



18.5920, 18.2201, 21.7346



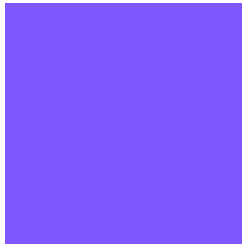
26.6265, 13.1399, 27.7472



2.6356, 1.2966, 2.9282

Previews

White Background



This preview shows how the XYZ color 30.3603, 18.6256, 96.6027 looks on a white background.

Color Contrast Check

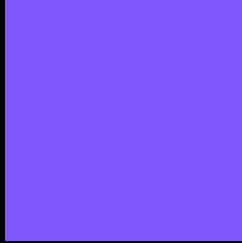
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3603, 18.6256, 96.6027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

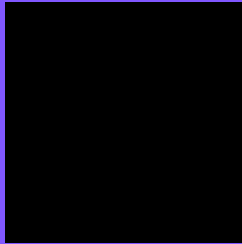
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3603, 18.6256, 96.6027

Background



This preview shows how black text looks on a background with the XYZ color 30.3603, 18.6256, 96.6027.



This preview shows how white text looks on a background with the XYZ color 30.3603, 18.6256,

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

30.3603, 18.6256, 96.6027

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

18.5924, 18.5722, 63.5776



Tritanopia

16.0249, 18.4637, 25.2735

Trichromacy



Original Color

30.3603, 18.6256, 96.6027



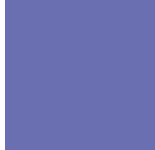
Protanomaly

23.0124, 17.4229, 90.1458



Deuteranomaly

20.3684, 17.0326, 74.1656



Tritanomaly

19.6642, 17.6474, 44.4894

Monochromacy



Original Color

30.3603, 18.6256, 96.6027



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

20.3516, 17.4801, 39.3471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3603, 18.6256, 96.6027 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(128, 87, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 87, 255)  
}
```

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(128, 87, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 87, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.3603, 18.6256, 96.6027 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(128, 87, 255) }
```


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

```
.border{ border-color:rgb(128, 87, 255) }
```

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

Here you see how a box with a 4 pixel rgb(128, 87, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 87, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 87, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 87,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3603, 18.6256, 96.6027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 87, 255) }
```

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

```
.background{ background-color: rgb(128, 87,  
255) }
```

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