

Converting Colors

XYZ(18.5314, 25.0420, 3.8575)

Have a look what the booklet for
XYZ(18.5314, 25.0420, 3.8575)
contains.

XYZ(18.6021, 25.0784, 3.8602)	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(18.6021, 25.0784,
3.8602)**

Conversions

Conversions Part 1

Format	Color
Hex	7B9300
RGB	123, 147, 0
RGB Percent	48%, 58%, 0%
CMY	0.5176, 0.4235, 1.0000
CMYK	0.16, 0.00, 1.00, 0.42
HSL	70°, 100%, 29%
HSV	70°, 100%, 58%
XYZ	18.6021, 25.0784, 3.8602
YIQ	123.0660, 32.8830, -50.8050

Conversions

Conversions Part 2

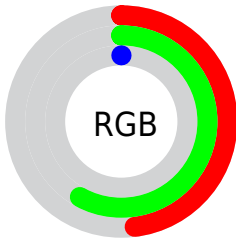
Format	Color
RYB	0, 147, 24
Decimal	8098560
CIELab	57.15, -25.01, 60.42
CIELCh	57, 65.393, 112.487
Yxy	25.0784, 0.3913, 0.5275
Android (android.graphics.Color)	4286288640 (0xFF7B9300)
YUV	123.0660, -60.6715, -0.0579
Hunter-Lab	50.0783, -21.3315, 30.4846

Details

The XYZ color **18.6021, 25.0784, 3.8602** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.6440, 2.3014, 27.7520**, and the grayscale version is **19.0360, 20.0274, 21.8098**.

A 20% lighter version of the original color is **40.5825, 51.7992, 13.6537**, and **6.6371, 9.6310, 1.5091** is the 20% darker color. If you saturate the color by 10%, you get **18.6023, 25.0794, 3.8604**, and if you desaturate by 10%, it is **19.0345, 25.2924, 4.3200**.

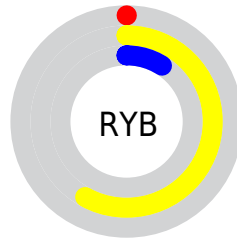
Distribution



Red (48%)

Green (58%)

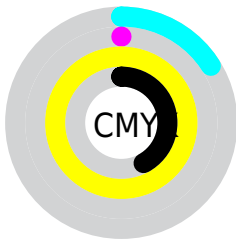
Blue (0%)



Red (0%)

Yellow (58%)

Blue (9%)

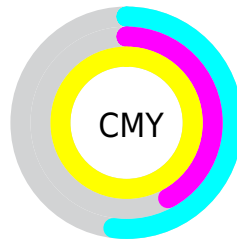


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (52%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6021, 25.0784, 3.8602 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 18.6021, 25.0784, 3.8602 by changing the saturation by 10% instead.

■ 18.6021, 25.0784,
3.8602

■ 18.6021, 25.0784,
3.8602

237.2237,
278.2282, 146.6586

■ 11.4854, 16.1355,
1.5490

■ 40.5827, 51.7844,
13.6860

■ 6.4640, 9.6201,
0.2540

■ 56.1774, 70.3162,
22.0377

■ 3.1726, 5.1478,
0.0000

■ 75.3288, 92.8132,
33.2400

■ 1.2457, 2.3342,
0.0000

■ 98.4022, 119.6596,
47.7113


■ 0.1420, 0.7917,
0.0000


■ 125.7631,
151.2399, 65.8703


■ 0.0000, 0.0000,
0.0000


■ 157.7767,


187.9385, 88.1355


 194.8085,
230.1398, 114.9254


 18.6021, 25.0784,
3.8602


 18.6021, 25.0784,
3.8602


 18.6023, 25.0794,
3.8604

 19.0345, 25.2924,
4.3200

 19.5334, 25.5331,
5.0882

 20.1279, 25.8131,
6.3156

 20.8290, 26.1366,
8.0595

 21.6461, 26.5076,
10.3687

■ 22.5874, 26.9292,
13.2866

■ 23.6604, 27.4046,
16.8522

■ 24.8719, 27.9364,
21.1013

■ 26.2284, 28.5271,
26.0671

Harmonies

Analogous

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



25.8285, 25.0784, 3.1338



18.6021, 25.0784, 3.8602



13.9016, 25.0784, 8.7487

Triad

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



18.6021, 25.0784, 3.8602



15.8978, 25.0784, 76.7520



41.7699, 25.0784, 33.2449

Complementary

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



18.6021, 25.0784, 3.8602



5.6440, 2.3014, 27.7520

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.



37.6414, 25.0784, 62.1958



18.6021, 25.0784, 3.8602



21.9492, 25.0784, 94.7693

Square

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



18.6021, 25.0784, 3.8602



12.5914, 25.0784, 46.9852



29.9703, 25.0784, 88.3531



40.3328, 25.0784, 14.0698

Rectangle

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



18.6021, 25.0784, 3.8602



12.3060, 25.0784, 16.4152



29.9703, 25.0784, 88.3531



40.9610, 25.0784, 42.1856

Sweetspot

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



18.6027, 25.0795, 3.8607



42.2429, 49.0190, 29.7438



12.3214, 6.7796, 0.6595



9.4699, 11.1134, 6.2057



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.6027, 25.0795, 3.8607



33.1862, 44.8462, 6.9071



11.8229, 21.5844, 3.5434



6.1734, 6.6972, 6.2078



16.1438, 21.7503, 3.3474



0.2175, 0.2765, 0.0419

Inverse Universe

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



5.6440, 2.3014, 27.7520



10.0036, 4.0675, 49.6924



10.0442, 4.5698, 27.9580



5.5825, 5.6758, 7.2710



4.9075, 2.0025, 24.0589



0.0767, 0.0331, 0.2952

Previews

White Background



This preview shows how the XYZ color 18.6021, 25.0784, 3.8602 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 18.6021, 25.0784, 3.8602 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 18.6021, 25.0784, 3.8602

Background



This preview shows how black text looks on a background with the XYZ color 18.6021, 25.0784, 3.8602.



This preview shows how white text looks on a background with the XYZ color 18.6021, 25.0784,

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

18.6021, 25.0784, 3.8602

Protanopia

22.4632, 24.8599, 3.6145

Deuteranopia

25.4027, 24.9241, 4.4492



Tritanopia

24.2038, 25.1488, 31.1823

Trichromacy



Original Color

18.6021, 25.0784, 3.8602

Protanomaly

20.8526, 24.8894, 3.7051

Deuteranomaly

22.4229, 24.6174, 4.1001

Tritanomaly

20.9053, 24.6832, 14.2522

Monochromacy



Original Color

18.6021, 25.0784, 3.8602

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.7948, 21.2635, 10.3741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6021, 25.0784, 3.8602 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(123, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 147, 0)  
}
```

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(123, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 147, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.6021, 25.0784, 3.8602 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(123, 147, 0) }
```


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

```
.border{ border-color:rgb(123, 147, 0) }
```

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

Here you see how a box with a 4 pixel rgb(123, 147, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 147,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6021, 25.0784, 3.8602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 147, 0) }
```

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

```
.background{ background-color: rgb(123,  
147, 0) }
```

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