

Converting Colors

XYZ(18.0266, 21.8805, 6.4061)

Have a look what the booklet for
XYZ(18.0266, 21.8805, 6.4061)
contains.

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Color

**XYZ(18.0247, 21.8784,
6.4049)**

Conversions

Conversions Part 1

Format	Color
Hex	808633
RGB	128, 134, 51
RGB Percent	50%, 53%, 20%
CMY	0.4980, 0.4745, 0.8000
CMYK	0.04, 0.00, 0.62, 0.47
HSL	64°, 45%, 36%
HSV	64°, 62%, 53%
XYZ	18.0247, 21.8784, 6.4049
YIQ	122.7440, 23.0670, -27.0850

Conversions

Conversions Part 2

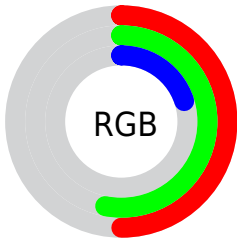
Format	Color
RYB	51, 134, 57
Decimal	8422963
CIELab	53.90, -14.02, 42.73
CIELCh	54, 44.972, 108.165
Yxy	21.8784, 0.3892, 0.4725
Android (android.graphics.Color)	4286613043 (0xFF808633)
YUV	122.7440, -35.3698, 4.6095
Hunter-Lab	46.7744, -13.0694, 24.6234

Details

The XYZ color **18.0247, 21.8784, 6.4049** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.1750, 4.9592, 23.1347**, and the grayscale version is **18.8503, 19.8320, 21.5971**.

A 20% lighter version of the original color is **39.6477, 46.5475, 19.2068**, and **6.2290, 8.0335, 1.2223** is the 20% darker color. If you saturate the color by 10%, you get **17.6260, 21.7029, 5.0603**, and if you desaturate by 10%, it is **18.5111, 22.0907, 8.1991**.

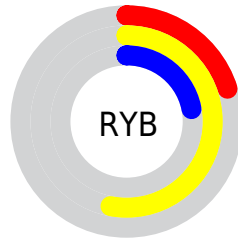
Distribution



Red (50%)

Green (53%)

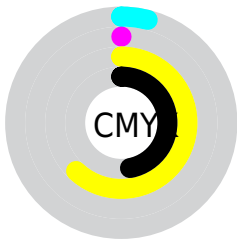
Blue (20%)



Red (20%)

Yellow (53%)

Blue (22%)

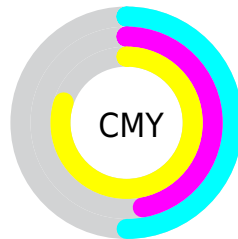


Cyan (4%)

Magenta (0%)

Yellow (62%)

Black (47%)



Cyan (50%)

Magenta (47%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0247, 21.8784, 6.4049 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 18.0247, 21.8784, 6.4049 by changing the saturation by 10% instead.

■ 18.0247, 21.8784,
6.4049

■ 18.0247, 21.8784,
6.4049

234.0531,
261.9106, 172.0618

■ 11.0675, 13.7676,
3.0201

■ 39.6092, 46.5449,
19.2577

■ 6.1799, 7.9592,
1.1049

■ 54.9672, 63.8694,
29.5627

■ 2.9965, 4.0688,
0.0000

■ 73.8561, 85.0340,
43.0115

■ 1.1519, 1.7121,
0.0000

■ 96.6414, 110.4229,
60.0227

■ 0.0679, 0.4315,
0.0000

■ 123.6884,
140.4206, 81.0148

■ 0.0000, 0.0000,
0.0000

■ 155.3625,

175.4116, 106.4063

192.0289,
215.7801, 136.6158

■ 18.0247, 21.8784,
6.4049

■ 18.0247, 21.8784,
6.4049

■ 17.6260, 21.7029,
5.0603

■ 18.5111, 22.0907,
8.1991

■ 17.3057, 21.5582,
4.1242

■ 19.0901, 22.3394,
10.4765

■ 17.0557, 21.4418,
3.5504

■ 19.7685, 22.6280,
13.2693

■ 16.8827, 21.3594,
3.2330

■ 20.5516, 22.9586,
16.6064

■ 21.4445, 23.3334,
20.5144

■ 22.4520, 23.7541,
25.0184

■ 23.5785, 24.2226,
30.1420

■ 24.8283, 24.7406,
35.9073

■ 26.2055, 25.3097,
42.3355

Harmonies

Analogous

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



22.7637, 21.8784, 6.0926



18.0247, 21.8784, 6.4049



14.5997, 21.8784, 10.0940

Triad

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



18.0247, 21.8784, 6.4049



15.1816, 21.8784, 49.7288



31.3052, 21.8784, 29.7209

Complementary

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



18.0247, 21.8784, 6.4049



7.1750, 4.9592, 23.1347

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.



28.5331, 21.8784, 46.4046



18.0247, 21.8784, 6.4049



18.9428, 21.8784, 60.6182

Square

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



18.0247, 21.8784, 6.4049



13.1424, 21.8784, 33.1408



23.8350, 21.8784, 59.2086



30.9570, 21.8784, 16.4374

Rectangle

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



18.0247, 21.8784, 6.4049



13.2932, 21.8784, 15.2157



23.8350, 21.8784, 59.2086



30.6918, 21.8784, 35.1815

Sweetspot

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



18.0252, 21.8794, 6.4054



36.5858, 40.6075, 30.8966



11.8700, 8.1882, 4.0871



8.1596, 9.1136, 6.6014



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.0252, 21.8794, 6.4054



30.8299, 38.1360, 8.2272



13.0508, 19.3150, 6.1726



5.0074, 5.4064, 5.0090



15.8244, 20.0177, 3.0298



0.0573, 0.0706, 0.0106

Inverse Universe

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



7.1750, 4.9592, 23.1347



10.0642, 5.7103, 40.3101



10.5282, 6.6879, 23.2916



4.4634, 4.5595, 5.8456



4.1504, 1.6738, 21.2410



0.0163, 0.0068, 0.0737

Previews

White Background



This preview shows how the XYZ color 18.0247, 21.8784, 6.4049 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 18.0247, 21.8784, 6.4049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

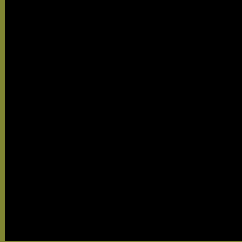
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0247, 21.8784, 6.4049

Background



This preview shows how black text looks on a background with the XYZ color 18.0247, 21.8784, 6.4049.



This preview shows how white text looks on a background with the XYZ color 18.0247, 21.8784,

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

18.0247, 21.8784, 6.4049

Protanopia

19.9276, 21.8601, 6.1867

Deuteranopia

22.1463, 21.6685, 6.6296



Tritanopia

21.9874, 21.9052, 25.9909

Trichromacy



Original Color

18.0247, 21.8784, 6.4049

Protanomaly

19.1733, 21.8662, 6.2277

Deuteranomaly

20.3395, 21.4840, 6.5648

Tritanomaly

20.0218, 21.6865, 16.2274

Monochromacy



Original Color

18.0247, 21.8784, 6.4049

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2045, 20.4018, 14.2877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0247, 21.8784, 6.4049 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, 134, 51)` looks like.

```
.text, #text, p{  
    color:rgb(128, 134, 51)  
}
```

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, 134, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 134, 51) }
```

Border

The CSS property to change the border of an element to XYZ 18.0247, 21.8784, 6.4049 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, 134, 51) }
```


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

```
.border{ border-color:rgb(128, 134, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 134, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 134, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 134, 51);  
box-shadow:4px 4px 4px 4px rgb(128, 134,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0247, 21.8784, 6.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 134, 51) }
```

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

```
.background{ background-color: rgb(128,  
134, 51) }
```

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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