

Converting Colors

XYZ(18.0469, 24.5245, 12.1322)

Have a look what the booklet for
XYZ(18.0469, 24.5245, 12.1322)
contains.

XYZ(18.0974, 24.6333, 12.1884)	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(18.0974, 24.6333,
12.1884)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9354
RGB	107, 147, 84
RGB Percent	42%, 58%, 33%
CMY	0.5804, 0.4235, 0.6706
CMYK	0.27, 0.00, 0.43, 0.42
HSL	98°, 27%, 45%
HSV	98°, 43%, 58%
XYZ	18.0974, 24.6333, 12.1884
YIQ	127.8580, -3.6170, -28.0730

Conversions

Conversions Part 2

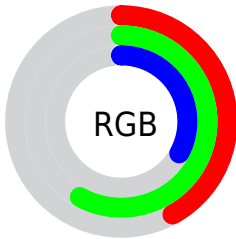
Format	Color
R_{YB}	84, 147, 124
Decimal	7050068
CIE _{Lab}	56.72, -25.78, 28.98
CIE _{LCh}	57, 38.793, 131.655
Yxy	24.6333, 0.3295, 0.4485
Android (android.graphics.Color)	4285240148 (0xFF6B9354)
YUV	127.8580, -21.6220, -18.2925
Hunter-Lab	49.6319, -21.7691, 20.1822

Details

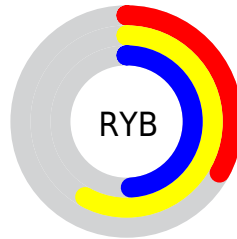
The XYZ color **18.0974, 24.6333, 12.1884** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.7499, 12.7330, 29.1799**, and the grayscale version is **20.5426, 21.6124, 23.5359**.

A 20% lighter version of the original color is **39.7570, 50.9961, 30.6695**, and **6.2041, 9.3692, 3.2317** is the 20% darker color. If you saturate the color by 10%, you get **16.5189, 23.8800, 9.4181**, and if you desaturate by 10%, it is **19.9192, 25.4995, 15.6019**.

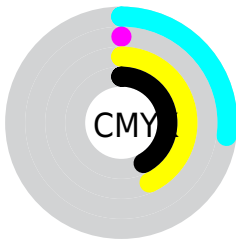
Distribution



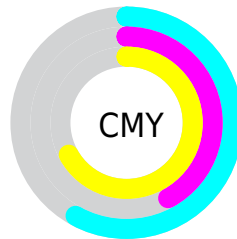
- Red (42%)
- Green (58%)
- Blue (33%)



- Red (33%)
- Yellow (58%)
- Blue (49%)



- Cyan (27%)
- Magenta (0%)
- Yellow (43%)
- Black (42%)



- Cyan (58%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0974, 24.6333, 12.1884 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 18.0974, 24.6333, 12.1884 by changing the saturation by 10% instead.

■ 18.0974, 24.6333,
12.1884

■ 18.0974, 24.6333,
12.1884

234.4544,
276.0068, 216.6706

■ 11.1200, 15.8041,
6.7480

■ 39.7320, 51.0617,
30.5073

■ 6.2155, 9.3856,
3.2290

■ 55.1200, 69.4297,
44.2229

■ 3.0185, 4.9935,
1.2127

■ 74.0422, 91.7460,
61.5340

■ 1.1635, 2.2435,
0.0000

■ 96.8640, 118.3950,
82.8591

■ 0.0773, 0.7435,
0.0000

■ 123.9508,
149.7613, 108.6167

■ 0.0000, 0.0000,
0.0000

155.6679,

186.2290, 139.2255

192.3806,
228.1827, 175.1040

■ 18.0974, 24.6333,
12.1884

■ 18.0974, 24.6333,
12.1884

■ 16.5189, 23.8800,
9.4181

■ 19.9192, 25.4995,
15.6019

■ 15.1704, 23.2314,
7.2491

■ 21.9929, 26.4802,
19.6939

■ 14.0399, 22.6831,
5.6370


■ 24.3293, 27.5807,
24.4989


■ 13.1136, 22.2291,
4.5306


■ 26.9377, 28.8052,
30.0487


■ 12.3753, 21.8624,
3.8693


■ 29.8268, 30.1576,
36.3731

 11.9376, 21.6434,
3.5484

 33.0053, 31.6417,
43.5003

 36.4811, 33.2611,
51.4571

 40.2620, 35.0191,
60.2691

 44.3556, 36.9191,
69.9607

Harmonies

Analogous

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



21.7005, 24.6333, 9.0804



18.0974, 24.6333, 12.1884



16.0930, 24.6333, 19.7238

Triad

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



18.0974, 24.6333, 12.1884



20.7823, 24.6333, 58.0738



33.0012, 24.6333, 22.0994

Complementary

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



18.0974, 24.6333, 12.1884



16.7499, 12.7330, 29.1799

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.



32.6722, 24.6333, 35.4453



18.0974, 24.6333, 12.1884



25.2138, 24.6333, 59.3413

Square

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



18.0974, 24.6333, 12.1884



17.5000, 24.6333, 47.0060



29.6797, 24.6333, 50.0557



30.5277, 24.6333, 13.4433

Rectangle

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



18.0974, 24.6333, 12.1884



15.7541, 24.6333, 27.5472



29.6797, 24.6333, 50.0557



33.2225, 24.6333, 26.1086

Sweetspot

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



18.0980, 24.6344, 12.1889



43.3874, 49.3059, 43.4933



20.8289, 21.2344, 11.3887



9.7013, 11.1599, 9.5054



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.



18.0980, 24.6344, 12.1889



29.7947, 42.8659, 17.2258



16.0399, 23.5330, 13.9145



5.9176, 6.5654, 6.1958



10.3742, 18.7759, 3.0773



0.1573, 0.2455, 0.0391

Inverse Universe

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



16.7499, 12.7330, 29.1799



27.0501, 18.7594, 51.6298



19.8349, 14.3968, 26.0077



5.8321, 5.8044, 7.2827



8.5367, 3.8734, 24.2287



0.1370, 0.0641, 0.2981

Previews

White Background



This preview shows how the XYZ color 18.0974, 24.6333, 12.1884 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 18.0974, 24.6333, 12.1884 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 18.0974, 24.6333, 12.1884

Background



This preview shows how black text looks on a background with the XYZ color 18.0974, 24.6333, 12.1884.



This preview shows how white text looks on a background with the XYZ color 18.0974, 24.6333,

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

18.0974, 24.6333, 12.1884

Protanopia

22.6466, 24.5771, 11.1397

Deuteranopia

24.8483, 24.4564, 12.6434



Tritanopia

22.0738, 24.4492, 32.4099

Trichromacy



Original Color

18.0974, 24.6333, 12.1884

Protanomaly

20.6948, 24.4186, 11.4071

Deuteranomaly

21.8522, 24.1361, 12.5238

Tritanomaly

20.2489, 24.3631, 23.3740

Monochromacy



Original Color

18.0974, 24.6333, 12.1884

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.3343, 22.4909, 18.6514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0974, 24.6333, 12.1884 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(107, 147, 84)` looks like.

```
.text, #text, p{  
    color:rgb(107, 147, 84)  
}
```

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(107, 147, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 147, 84) }
```

Border

The CSS property to change the border of an element to XYZ 18.0974, 24.6333, 12.1884 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(107, 147, 84) }
```


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

```
.border{ border-color:rgb(107, 147, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 147, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 147, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 147, 84);  
box-shadow:4px 4px 4px 4px rgb(107, 147,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0974, 24.6333, 12.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 147, 84) }
```

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

```
.background{ background-color: rgb(107,  
147, 84) }
```

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