

Converting Colors

XYZ(18.4080, 24.1637, 12.0527)

Have a look what the booklet for
XYZ(18.4080, 24.1637, 12.0527)
contains.

XYZ(18.3835, 24.0973, 12.0698)	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(18.3835, 24.0973,
12.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	719054
RGB	113, 144, 84
RGB Percent	44%, 56%, 33%
CMY	0.5569, 0.4353, 0.6706
CMYK	0.22, 0.00, 0.42, 0.44
HSL	91°, 26%, 45%
HSV	91°, 42%, 56%
XYZ	18.3835, 24.0973, 12.0698
YIQ	127.8910, 0.7840, -25.2320

Conversions

Conversions Part 2

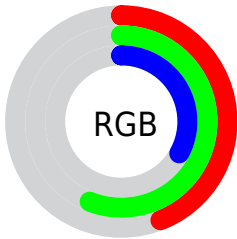
Format	Color
RYB	84, 144, 115
Decimal	7442516
CIELab	56.19, -21.99, 28.38
CIELCh	56, 35.902, 127.763
Yxy	24.0973, 0.3370, 0.4417
Android (android.graphics.Color)	4285632596 (0xFF719054)
YUV	127.8910, -21.6383, -13.0594
Hunter-Lab	49.0890, -19.0587, 19.7843

Details

The XYZ color **18.3835, 24.0973, 12.0698** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.2756, 11.9998, 27.8980**, and the grayscale version is **20.5530, 21.6233, 23.5478**.

A 20% lighter version of the original color is **40.2230, 50.2164, 30.1270**, and **6.2982, 9.0190, 3.1592** is the 20% darker color. If you saturate the color by 10%, you get **16.9583, 23.4219, 9.3557**, and if you desaturate by 10%, it is **20.0044, 24.8616, 15.3994**.

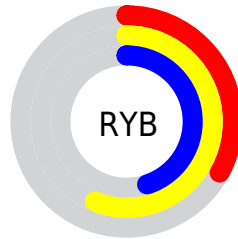
Distribution



Red (44%)

Green (56%)

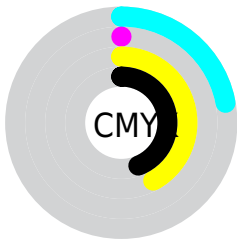
Blue (33%)



Red (33%)

Yellow (56%)

Blue (45%)

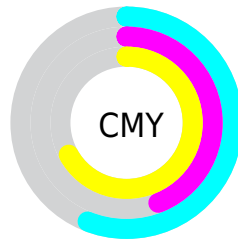


Cyan (22%)

Magenta (0%)

Yellow (42%)

Black (44%)



Cyan (56%)

Magenta (44%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3835, 24.0973, 12.0698 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 18.3835, 24.0973, 12.0698 by changing the saturation by 10% instead.

■ 18.3835, 24.0973,
12.0698

■ 18.3835, 24.0973,
12.0698

236.0278,
273.3120, 215.8611

■ 11.3270, 15.4058,
6.6681

■ 40.2147, 50.1889,
30.2885

■ 6.3562, 9.1047,
3.1801

■ 55.7201, 68.3579,
43.9425

■ 3.1055, 4.8095,
1.1873

■ 74.7726, 90.4547,
61.1845

■ 1.2098, 2.1359,
0.0000

■ 97.7375, 116.8640,
82.4328

■ 0.1141, 0.6847,
0.0000

■ 124.9801,
147.9699, 108.1061

■ 0.0000, 0.0000,
0.0000

156.8657,

184.1570, 138.6229

193.7599,
225.8095, 174.4017

■ 18.3835, 24.0973,
12.0698

■ 18.3835, 24.0973,
12.0698

■ 16.9583, 23.4219,
9.3557

■ 20.0044, 24.8616,
15.3994

■ 15.7180, 22.8286,
7.2177

■ 21.8275, 25.7153,
19.3776

■ 14.6532, 22.3140,
5.6144


■ 23.8613, 26.6628,
24.0368


■ 13.7529, 21.8737,
4.4981


■ 26.1132, 27.7071,
29.4068


■ 13.0044, 21.5022,
3.8128


■ 28.5900, 28.8513,
35.5159

 12.4705, 21.2346,
3.4414

 31.2984, 30.0982,
42.3906

 34.2448, 31.4505,
50.0561

 37.4353, 32.9108,
58.5366

 40.8756, 34.4817,
67.8551

Harmonies

Analogous

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



21.8495, 24.0973, 9.5576



18.3835, 24.0973, 12.0698



16.3210, 24.0973, 18.5488

Triad

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



18.3835, 24.0973, 12.0698



20.0325, 24.0973, 53.3666



31.6918, 24.0973, 23.2889

Complementary

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



18.3835, 24.0973, 12.0698



15.2756, 11.9998, 27.8980

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.



31.0541, 24.0973, 35.8031



18.3835, 24.0973, 12.0698



23.9914, 24.0973, 55.7791

Square

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



18.3835, 24.0973, 12.0698



17.1903, 24.0973, 42.7440



28.1102, 24.0973, 48.5930



29.7607, 24.0973, 14.6445

Rectangle

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



18.3835, 24.0973, 12.0698



15.8598, 24.0973, 25.3614



28.1102, 24.0973, 48.5930



31.7746, 24.0973, 27.1343

Sweetspot

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



18.3841, 24.0984, 12.0703



41.4845, 46.7460, 40.9958



19.2335, 18.8317, 11.0090



9.3430, 10.6407, 9.0071



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.3841, 24.0984, 12.0703



30.0604, 41.3809, 16.7763



15.2698, 22.4883, 12.1305



5.5754, 6.1492, 5.7824



10.8859, 18.5045, 2.9980



0.1293, 0.1899, 0.0298

Inverse Universe

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



15.2756, 11.9998, 27.8980



23.8128, 17.0709, 48.5780



19.6308, 14.2537, 27.7045



5.3787, 5.3834, 6.7844



6.8975, 3.0494, 23.2021



0.0914, 0.0423, 0.2230

Previews

White Background



This preview shows how the XYZ color 18.3835, 24.0973, 12.0698 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 18.3835, 24.0973, 12.0698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

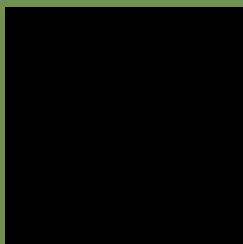
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3835, 24.0973, 12.0698

Background



This preview shows how black text looks on a background with the XYZ color 18.3835, 24.0973, 12.0698.



This preview shows how white text looks on a background with the XYZ color 18.3835, 24.0973,

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

18.3835, 24.0973, 12.0698

Protanopia

22.0057, 23.8324, 11.0297

Deuteranopia

24.1786, 23.7200, 12.5366



Tritanopia

22.2382, 24.1355, 31.0903

Trichromacy



Original Color

18.3835, 24.0973, 12.0698

Protanomaly

20.5654, 23.9219, 11.3181

Deuteranomaly

21.7470, 23.6676, 12.4389

Tritanomaly

20.6239, 24.1333, 22.6400

Monochromacy



Original Color

18.3835, 24.0973, 12.0698

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.6181, 22.4310, 18.6249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3835, 24.0973, 12.0698 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(113, 144, 84)` looks like.

```
.text, #text, p{  
    color:rgb(113, 144, 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(113, 144, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 144, 84) }
```

Border

The CSS property to change the border of an element to XYZ 18.3835, 24.0973, 12.0698 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(113, 144, 84) }
```


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

```
.border{ border-color:rgb(113, 144, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 144, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 144, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 144, 84);  
box-shadow:4px 4px 4px 4px rgb(113, 144,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3835, 24.0973, 12.0698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 144, 84) }
```

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

```
.background{ background-color: rgb(113,  
144, 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](#).

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