

Converting Colors

XYZ(12.6729, 18.8459, 10.1571)

Have a look what the booklet for
XYZ(12.6729, 18.8459, 10.1571)
contains.

XYZ(12.6643, 18.8210, 10.1731)	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(12.6643, 18.8210,
10.1731)**

Conversions

Conversions Part 1

Format	Color
Hex	4B854E
RGB	75, 133, 78
RGB Percent	29%, 52%, 31%
CMY	0.7059, 0.4784, 0.6941
CMYK	0.44, 0.00, 0.41, 0.48
HSL	123°, 28%, 41%
HSV	123°, 44%, 52%
XYZ	12.6643, 18.8210, 10.1731
YIQ	109.3880, -16.9130, -29.4010

Conversions

Conversions Part 2

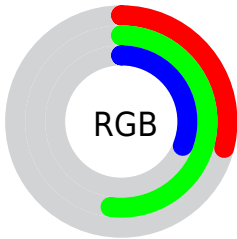
Format	Color
RYB	75, 130, 133
Decimal	4949326
CIELab	50.48, -31.16, 23.86
CIELCh	50, 39.248, 142.555
Yxy	18.8210, 0.3040, 0.4518
Android (android.graphics.Color)	4283139406 (0xFF4B854E)
YUV	109.3880, -15.4743, -30.1583
Hunter-Lab	43.3832, -23.8133, 16.4651

Details

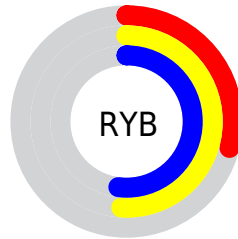
The XYZ color **12.6643, 18.8210, 10.1731** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2187, 11.6307, 22.5096**, and the grayscale version is **14.6926, 15.4578, 16.8335**.

A 20% lighter version of the original color is **30.4190, 41.6112, 26.8506**, and **3.7073, 6.4730, 2.4205** is the 20% darker color. If you saturate the color by 10%, you get **11.3212, 18.1765, 7.9722**, and if you desaturate by 10%, it is **14.3126, 19.6139, 12.8419**.

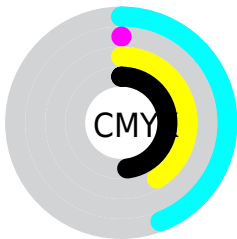
Distribution



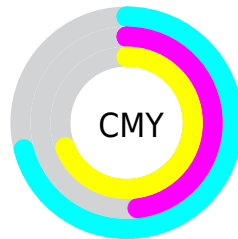
- Red (29%)
- Green (52%)
- Blue (31%)



- Red (29%)
- Yellow (51%)
- Blue (52%)



- Cyan (44%)
- Magenta (0%)
- Yellow (41%)
- Black (48%)



- Cyan (71%)
- Magenta (48%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6643, 18.8210, 10.1731 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 12.6643, 18.8210, 10.1731 by changing the saturation by 10% instead.

■ 12.6643, 18.8210,
10.1731

■ 12.6643, 18.8210,
10.1731

202.4362,
245.4588, 202.4326

■ 7.2732, 11.5410,
5.4068

■ 30.3058, 41.4314,
26.7335

■ 3.6814, 6.4320,
2.4250

■ 43.2870, 57.5306,
39.3646

■ 1.5235, 3.1095,
0.8000

■ 59.5288, 77.3384,
55.4544

■ 0.3417, 1.1892,
0.0000

■ 79.3967, 101.2390,
75.4214

■ 0.0000, 0.0528,
0.0000

■ 103.2561,
129.6170, 99.6842

■ 0.0000, 0.0000,
0.0000

131.4722,

162.8567, 128.6613

164.4105,
201.3425, 162.7713

■ 12.6643, 18.8210,
10.1731

■ 12.6643, 18.8210,
10.1731

■ 11.3212, 18.1765,
7.9722

■ 14.3126, 19.6139,
12.8419

■ 10.2633, 17.6690,
6.2110

■ 16.2818, 20.5612,
16.0020

■ 9.4703, 17.2892,
4.8603


■ 18.5881, 21.6711,
19.6768


■ 8.9187, 17.0259,
3.8871


■ 21.2462, 22.9510,
23.8878


■ 8.5801, 16.8650,
3.2528


■ 24.2702, 24.4075,
28.6552

 8.4256, 16.7909,
2.9946

 27.6730, 26.0470,
33.9985

 31.4672, 27.8755,
39.9358

 35.6647, 29.8988,
46.4847

 40.2769, 32.1224,
53.6620

Harmonies

Analogous

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



15.2147, 18.8210, 6.5511



12.6643, 18.8210, 10.1731



11.5450, 18.8210, 17.8844

Triad

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



12.6643, 18.8210, 10.1731



16.9532, 18.8210, 49.2580



25.5723, 18.8210, 13.4319

Complementary

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



12.6643, 18.8210, 10.1731



16.2187, 11.6307, 22.5096

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.



26.2125, 18.8210, 23.3434



12.6643, 18.8210, 10.1731



20.8592, 18.8210, 46.7314

Square

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



12.6643, 18.8210, 10.1731



13.7814, 18.8210, 42.1632



24.3826, 18.8210, 36.1424



22.7406, 18.8210, 7.9109

Rectangle

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



12.6643, 18.8210, 10.1731



11.6303, 18.8210, 25.4184



24.3826, 18.8210, 36.1424



26.0659, 18.8210, 16.2486

Sweetspot

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



12.6648, 18.8218, 10.1735



33.4261, 38.8743, 35.4581



18.8796, 22.0378, 9.9152



7.3394, 8.6660, 7.6845



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.



12.6648, 18.8218, 10.1735



20.3654, 32.5933, 14.4283



13.9382, 19.3312, 16.8794



4.6254, 5.2084, 5.0383



8.0262, 15.9933, 2.8573



0.0284, 0.0556, 0.0130

Inverse Universe

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



16.2187, 11.6307, 22.5096



27.5696, 18.0066, 39.4276



14.5433, 10.9605, 13.6870



4.8478, 4.7588, 5.8106



12.8088, 6.1879, 19.3632



0.0452, 0.0218, 0.0713

Previews

White Background



This preview shows how the XYZ color 12.6643, 18.8210, 10.1731 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 12.6643, 18.8210, 10.1731 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 12.6643, 18.8210, 10.1731

Background



This preview shows how black text looks on a background with the XYZ color 12.6643, 18.8210, 10.1731.



This preview shows how white text looks on a background with the XYZ color 12.6643, 18.8210,

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

12.6643, 18.8210, 10.1731

Protanopia

17.2791, 18.7393, 9.0097

Deuteranopia

18.8680, 18.4835, 10.5559



Tritanopia

15.8353, 18.7255, 26.0723

Trichromacy



Original Color

12.6643, 18.8210, 10.1731

Protanomaly

15.1592, 18.5547, 9.4391

Deuteranomaly

15.7938, 18.1204, 10.4497

Tritanomaly

14.5120, 18.7773, 19.0792

Monochromacy



Original Color

12.6643, 18.8210, 10.1731

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.6128, 16.3801, 13.9995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6643, 18.8210, 10.1731 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(75, 133, 78)` looks like.

```
.text, #text, p{  
    color:rgb(75, 133, 78)  
}
```

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(75, 133, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 133, 78) }
```

Border

The CSS property to change the border of an element to XYZ 12.6643, 18.8210, 10.1731 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(75, 133, 78) }
```


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

```
.border{ border-color:rgb(75, 133, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 133, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 133, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 133, 78);  
box-shadow:4px 4px 4px 4px rgb(75, 133,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6643, 18.8210, 10.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 133, 78) }
```

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

```
.background{ background-color: rgb(75, 133,  
78) }
```

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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