

Converting Colors

XYZ(12.1823, 19.0929, 8.8287)

Have a look what the booklet for
XYZ(12.1823, 19.0929, 8.8287)
contains.

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Color

**XYZ(12.1534, 18.9991,
8.8210)**

Conversions

Conversions Part 1

Format	Color
Hex	448746
RGB	68, 135, 70
RGB Percent	27%, 53%, 27%
CMY	0.7333, 0.4706, 0.7255
CMYK	0.50, 0.00, 0.48, 0.47
HSL	122°, 33%, 40%
HSV	122°, 50%, 53%
XYZ	12.1534, 18.9991, 8.8210
YIQ	107.5570, -19.0670, -34.4190

Conversions

Conversions Part 2

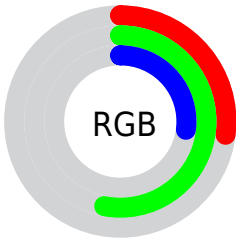
Format	Color
RYB	68, 133, 135
Decimal	4491078
CIELab	50.69, -35.54, 28.44
CIElCh	51, 45.519, 141.338
Yxy	18.9991, 0.3040, 0.4753
Android (android.graphics.Color)	4282681158 (0xFF448746)
YUV	107.5570, -18.5156, -34.6915
Hunter-Lab	43.5880, -26.5087, 18.5129

Details

The XYZ color **12.1534, 18.9991, 8.8210** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.2931, 10.9790, 23.4515**, and the grayscale version is **14.1843, 14.9230, 16.2511**.

A 20% lighter version of the original color is **29.4729, 41.8162, 24.2872**, and **3.4353, 6.4582, 1.9297** is the 20% darker color. If you saturate the color by 10%, you get **10.9488, 18.4213, 6.8371**, and if you desaturate by 10%, it is **13.6660, 19.7263, 11.2910**.

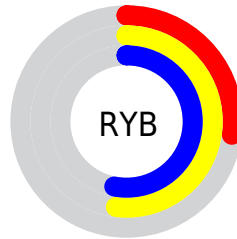
Distribution



Red (27%)

Green (53%)

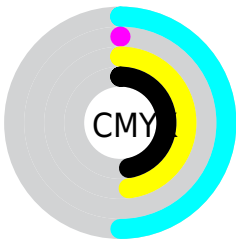
Blue (27%)



Red (27%)

Yellow (52%)

Blue (53%)

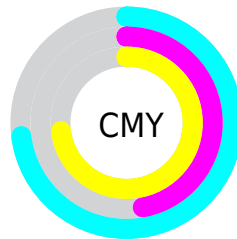


Cyan (50%)

Magenta (0%)

Yellow (48%)

Black (47%)



Cyan (73%)


Magenta (47%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1534, 18.9991, 8.8210 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 12.1534, 18.9991, 8.8210 by changing the saturation by 10% instead.


 12.1534, 18.9991,
8.8210


 12.1534, 18.9991,
8.8210


199.1674,
246.4438, 192.2055


 6.9212, 11.6696,
4.5294


 29.3886, 41.7326,
24.1251


 3.4587, 6.5191,
1.9200


 42.1223, 57.9054,
35.9747


 1.4007, 3.1632,
0.5054

 58.0873, 77.7947,
51.1807

 0.2568, 1.2175,
0.0000

 77.6487, 101.7851,
70.1616

 0.0000, 0.0760,
0.0000

 101.1722,
130.2607, 93.3360

 0.0000, 0.0000,
0.0000

129.0228,

163.6061, 121.1224

161.5661,
202.2057, 153.9394

■ 12.1534, 18.9991,
8.8210

■ 12.1534, 18.9991,
8.8210

■ 10.9488, 18.4213,
6.8371

■ 13.6660, 19.7263,
11.2910

■ 10.0298, 17.9805,
5.3059

■ 15.5042, 20.6098,
14.2747

■ 9.3732, 17.6660,
4.1923


■ 17.6861, 21.6589,
17.7993


■ 8.9515, 17.4645,
3.4550


■ 20.2278, 22.8813,
21.8899


■ 8.6953, 17.3418,
3.0187


■ 23.1447, 24.2844,
26.5696

 8.6864, 17.3375,
3.0044

 26.4510, 25.8752,
31.8605

 30.1604, 27.6602,
37.7837

 34.2858, 29.6457,
44.3589

 38.8395, 31.8375,
51.6052

Harmonies

Analogous

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



15.1128, 18.9991, 5.2034



12.1534, 18.9991, 8.8210



10.8354, 18.9991, 17.2029

Triad

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



12.1534, 18.9991, 8.8210



16.7967, 18.9991, 55.7226



27.2855, 18.9991, 12.9726

Complementary

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



12.1534, 18.9991, 8.8210



16.2931, 10.9790, 23.4515

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.



27.9362, 18.9991, 24.6119



12.1534, 18.9991, 8.8210



21.3631, 18.9991, 53.0483

Square

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



12.1534, 18.9991, 8.8210



13.2114, 18.9991, 46.4138



25.6194, 18.9991, 40.1449



23.9652, 18.9991, 6.8214

Rectangle

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



12.1534, 18.9991, 8.8210



10.8850, 18.9991, 25.9030



25.6194, 18.9991, 40.1449



27.8432, 18.9991, 16.2225

Sweetspot

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



12.1539, 18.9999, 8.8214



33.5448, 39.6864, 34.8925



19.5211, 22.8050, 8.8420



7.5797, 9.1000, 7.7765



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.1539, 18.9999, 8.8214



19.2891, 32.8355, 11.7175



13.4774, 19.5293, 15.7910



4.6215, 5.2068, 5.0181



8.0106, 15.9871, 2.7751



0.0281, 0.0555, 0.0114

Inverse Universe

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



16.2931, 10.9790, 23.4515



27.6305, 16.6616, 41.1923



14.3782, 10.2131, 13.3681



4.8520, 4.7605, 5.8332



12.9903, 6.2604, 20.3188



0.0455, 0.0219, 0.0729

Previews

White Background



This preview shows how the XYZ color 12.1534, 18.9991, 8.8210 looks on a white background.

Color Contrast Check

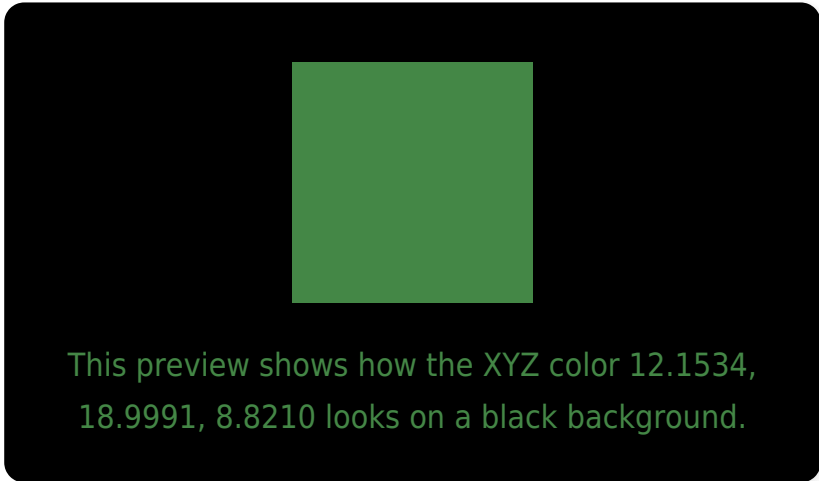
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 12.1534, 18.9991, 8.8210

Background



This preview shows how black text looks on a background with the XYZ color 12.1534, 18.9991, 8.8210.



This preview shows how white text looks on a background with the XYZ color 12.1534, 18.9991,

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

12.1534, 18.9991, 8.8210

Protanopia

17.1863, 18.7201, 7.7086

Deuteranopia

19.0778, 18.7892, 9.2778



Tritanopia

15.7441, 18.8527, 26.8539

Trichromacy



Original Color

12.1534, 18.9991, 8.8210

Protanomaly

14.6534, 18.3237, 8.0747

Deuteranomaly

15.4983, 18.1820, 8.9960

Tritanomaly

14.1052, 18.7772, 18.5037

Monochromacy



Original Color

12.1534, 18.9991, 8.8210

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.0130, 16.0922, 13.0099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1534, 18.9991, 8.8210 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(68, 135, 70)` looks like.

```
.text, #text, p{  
    color:rgb(68, 135, 70)  
}
```

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(68, 135, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 135, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.1534, 18.9991, 8.8210 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(68, 135, 70) }
```


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

```
.border{ border-color:rgb(68, 135, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 135, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 135, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 135, 70);  
box-shadow:4px 4px 4px 4px rgb(68, 135,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1534, 18.9991, 8.8210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 135, 70) }
```

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

```
.background{ background-color: rgb(68, 135,  
70) }
```

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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