

Converting Colors

XYZ(12.2183, 18.3489, 11.9145)

Have a look what the booklet for
XYZ(12.2183, 18.3489, 11.9145)
contains.

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Color

**XYZ(12.2183, 18.3489,
11.9145)**

Conversions

Conversions Part 1

Format	Color
Hex	428457
RGB	66, 132, 87
RGB Percent	26%, 52%, 34%
CMY	0.7412, 0.4823, 0.6588
CMYK	0.50, 0.00, 0.34, 0.48
HSL	139°, 33%, 39%
HSV	139°, 50%, 52%
XYZ	12.2183, 18.3489, 11.9145
YIQ	107.1360, -24.8910, -27.9870

Conversions

Conversions Part 2

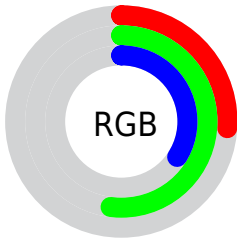
Format	Color
RYB	66, 116, 132
Decimal	4359255
CIELab	49.92, -31.78, 17.99
CIELCh	50, 36.516, 150.488
Yxy	18.3489, 0.2876, 0.4319
Android (android.graphics.Color)	4282549335 (0xFF428457)
YUV	107.1360, -9.9270, -36.0763
Hunter-Lab	42.8356, -24.0475, 13.4937




Details

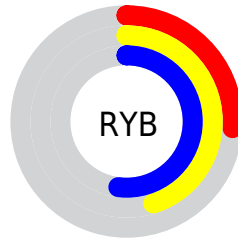
The XYZ color **12.2183, 18.3489, 11.9145** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.3337, 9.9500, 16.2046**, and the grayscale version is **14.0448, 14.7763, 16.0914**.




A 20% lighter version of the original color is **29.5455, 40.7755, 29.9802**, and **3.5052, 6.2399, 3.1175** is the 20% darker color. If you saturate the color by 10%, you get **11.0845, 17.8048, 10.0604**, and if you desaturate by 10%, it is **13.6042, 19.0187, 14.0206**.

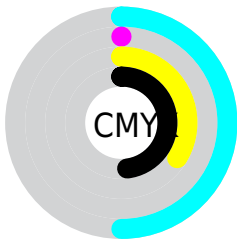
Distribution







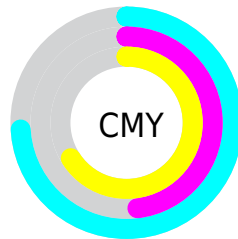
-  Red (26%)
-  Green (52%)
-  Blue (34%)






-  Red (26%)
-  Yellow (45%)
-  Blue (52%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (34%)
-  Black (48%)



-  Cyan (74%)
-  Magenta (48%)
-  Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2183, 18.3489, 11.9145 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 12.2183, 18.3489, 11.9145 by changing the saturation by 10% instead.

■ 12.2183, 18.3489,
11.9145

■ 12.2183, 18.3489,
11.9145

199.5857,
242.8303, 214.7962

■ 6.9658, 11.2008,
6.5637

■ 29.5055, 40.6310,
30.0014

■ 3.4869, 6.2020,
3.1165

■ 42.2709, 56.5337,
43.5744

■ 1.4161, 2.9683,
1.1544

■ 58.2713, 76.1233,
60.7254

■ 0.2677, 1.1152,
0.0000

■ 77.8720, 99.7844,
81.8726

■ 0.0000, 0.0000,
0.0000

■ 101.4385,
127.9013, 107.4348

129.3360,

160.8583, 137.8304

161.9300,
199.0398, 173.4781

■ 12.2183, 18.3489,
11.9145

■ 12.2183, 18.3489,
11.9145

■ 11.0845, 17.8048,
10.0604

■ 13.6042, 19.0187,
14.0206

■ 10.1854, 17.3761,
8.4474

■ 15.2553, 19.8192,
16.3865

■ 9.5035, 17.0544,
7.0660

■ 17.1856, 20.7580,
19.0210

■ 9.0181, 16.8294,
5.9051

■ 19.4074, 21.8413,
21.9324

■ 8.6696, 16.6704,
4.9513

■ 21.9326, 23.0749,
25.1285

■ 24.7722, 24.4645,
28.6167

■ 27.9367, 26.0153,
32.4043

■ 31.4361, 27.7323,
36.4981

■ 35.2799, 29.6203,
40.9051

Harmonies

Analogous

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



14.2460, 18.3489, 7.5543



12.2183, 18.3489, 11.9145



11.5431, 18.3489, 20.1433

Triad

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



12.2183, 18.3489, 11.9145



17.4974, 18.3489, 46.0862



23.9002, 18.3489, 11.7143

Complementary

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



12.2183, 18.3489, 11.9145



14.3337, 9.9500, 16.2046

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.



25.0654, 18.3489, 19.8153



12.2183, 18.3489, 11.9145



21.0790, 18.3489, 41.5933

Square

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



12.2183, 18.3489, 11.9145



14.3329, 18.3489, 41.8613



23.9709, 18.3489, 31.0462



20.9667, 18.3489, 7.4689

Rectangle

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



12.2183, 18.3489, 11.9145



11.8690, 18.3489, 27.5059



23.9709, 18.3489, 31.0462



24.5279, 18.3489, 13.9679

Sweetspot

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



12.2188, 18.3497, 11.9149



32.0318, 37.4215, 35.8352



15.8034, 20.2827, 8.2364



7.2960, 8.6337, 8.1303



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.



12.2188, 18.3497, 11.9149



19.2891, 31.2491, 17.3158



13.8827, 19.0152, 20.6768



4.6729, 5.2274, 5.2885



8.3962, 16.1413, 4.8058



0.0321, 0.0571, 0.0326

Inverse Universe

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



14.3337, 9.9500, 16.2046



23.4540, 14.6583, 25.7266



12.8432, 9.3538, 8.3553



4.7965, 4.7383, 5.5407



11.0030, 5.4655, 9.8539



0.0414, 0.0203, 0.0517

Previews

White Background



This preview shows how the XYZ color 12.2183, 18.3489, 11.9145 looks on a white 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

Black Background



This preview shows how the XYZ color 12.2183, 18.3489, 11.9145 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 12.2183, 18.3489, 11.9145

Background



This preview shows how black text looks on a background with the XYZ color 12.2183, 18.3489, 11.9145.



This preview shows how white text looks on a background with the XYZ color 12.2183, 18.3489,

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

12.2183, 18.3489, 11.9145

Protanopia

16.8657, 18.1401, 10.3971

Deuteranopia

18.4409, 18.0546, 12.4105



Tritanopia

15.0467, 18.3190, 26.0354

Trichromacy



Original Color

12.2183, 18.3489, 11.9145

Protanomaly

14.4700, 17.7937, 10.8555

Deuteranomaly

15.2440, 17.6159, 12.2696

Tritanomaly

13.8132, 18.2022, 19.9249

Monochromacy



Original Color

12.2183, 18.3489, 11.9145

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9593, 15.6862, 14.4013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2183, 18.3489, 11.9145 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(66, 132, 87)` looks like.

```
.text, #text, p{  
    color:rgb(66, 132, 87)  
}
```

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(66, 132, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 132, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.2183, 18.3489, 11.9145 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(66, 132, 87) }
```


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

```
.border{ border-color:rgb(66, 132, 87) }
```

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

Here you see how a box with a 4 pixel rgb(66, 132, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 132, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 132, 87);  
box-shadow:4px 4px 4px 4px rgb(66, 132,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2183, 18.3489, 11.9145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 132, 87) }
```

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

```
.background{ background-color: rgb(66, 132,  
87) }
```

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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