

Converting Colors

XYZ(12.6576, 18.3843, 11.4757)

Have a look what the booklet for
XYZ(12.6576, 18.3843, 11.4757)
contains.

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Color

**XYZ(12.6576, 18.3843,
11.4757)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8355
RGB	75, 131, 85
RGB Percent	29%, 51%, 33%
CMY	0.7059, 0.4863, 0.6667
CMYK	0.43, 0.00, 0.35, 0.49
HSL	131°, 27%, 40%
HSV	131°, 43%, 51%
XYZ	12.6576, 18.3843, 11.4757
YIQ	109.0120, -18.6100, -26.1780

Conversions

Conversions Part 2

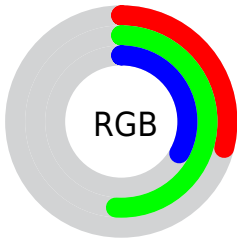
Format	Color
RYB	75, 123, 131
Decimal	4948821
CIELab	49.96, -28.97, 19.25
CIElCh	50, 34.785, 146.398
Yxy	18.3843, 0.2977, 0.4324
Android (android.graphics.Color)	4283138901 (0xFF4B8355)
YUV	109.0120, -11.8379, -29.8285
Hunter-Lab	42.8769, -22.3400, 14.1453

Details

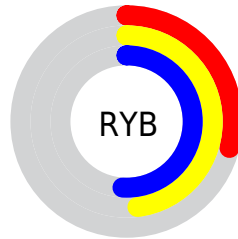
The XYZ color **12.6576, 18.3843, 11.4757** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3279, 11.2382, 19.4511**, and the grayscale version is **14.5759, 15.3350, 16.6998**.

A 20% lighter version of the original color is **30.2661, 40.5423, 29.1519**, and **3.6853, 6.2255, 2.9269** is the 20% darker color. If you saturate the color by 10%, you get **11.3411, 17.7519, 9.3498**, and if you desaturate by 10%, it is **14.2511, 19.1531, 13.9548**.

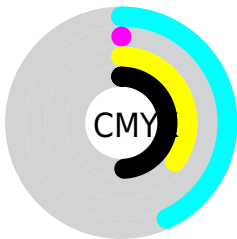
Distribution



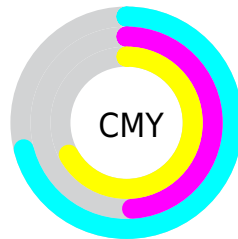
- Red (29%)
- Green (51%)
- Blue (33%)



- Red (29%)
- Yellow (48%)
- Blue (51%)



- Cyan (43%)
- Magenta (0%)
- Yellow (35%)
- Black (49%)



- Cyan (71%)
- Magenta (49%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6576, 18.3843, 11.4757 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 12.6576, 18.3843, 11.4757 by changing the saturation by 10% instead.

■ 12.6576, 18.3843,
11.4757

■ 12.6576, 18.3843,
11.4757

202.3937,
243.0283, 211.7559

■ 7.2686, 11.2262,
6.2696

■ 30.2938, 40.6911,
29.1865

■ 3.6784, 6.2192,
2.9383

■ 43.2718, 56.6086,
42.5283

■ 1.5219, 2.9788,
1.0632

■ 59.5100, 76.2147,
59.4190

■ 0.3406, 1.1207,
0.0000

■ 79.3739, 99.8939,
80.2772

■ 0.0000, 0.0000,
0.0000

■ 103.2289,
128.0304, 105.5215

131.4403,

161.0087, 135.5703

164.3735,
199.2132, 170.8423

■ 12.6576, 18.3843,
11.4757

■ 12.6576, 18.3843,
11.4757

■ 11.3411, 17.7519,
9.3498

■ 14.2511, 19.1531,
13.9548

■ 10.2843, 17.2456,
7.5599

■ 16.1348, 20.0631,
16.8009

■ 9.4699, 16.8574,
6.0890


■ 18.3229, 21.1220,
20.0284


■ 8.8781, 16.5776,
4.9184


■ 20.8282, 22.3359,
23.6509


■ 8.4855, 16.3946,
4.0272


■ 23.6626, 23.7108,
27.6811

 8.2753, 16.2968,
3.5409

 26.8376, 25.2524,
32.1311

 30.3640, 26.9659,
37.0125

 34.2522, 28.8565,
42.3366

 38.5120, 30.9291,
48.1141

Harmonies

Analogous

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



14.7744, 18.3843, 7.6605



12.6576, 18.3843, 11.4757



11.8225, 18.3843, 18.8855

Triad

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



12.6576, 18.3843, 11.4757



17.0739, 18.3843, 44.5152



23.8712, 18.3843, 12.9109

Complementary

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



12.6576, 18.3843, 11.4757



15.3279, 11.2382, 19.4511

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.



24.6882, 18.3843, 21.1935



12.6576, 18.3843, 11.4757



20.4833, 18.3843, 41.3898

Square

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



12.6576, 18.3843, 11.4757



14.1592, 18.3843, 39.5452



23.3786, 18.3843, 32.0005



21.2689, 18.3843, 8.2849

Rectangle

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



12.6576, 18.3843, 11.4757



12.0148, 18.3843, 25.6637



23.3786, 18.3843, 32.0005



24.3770, 18.3843, 15.2666

Sweetspot

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



12.6581, 18.3851, 11.4761



32.5806, 37.7118, 35.5285



17.3659, 20.8547, 9.7668



7.3991, 8.6899, 7.9989



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.



12.6581, 18.3851, 11.4761



20.4308, 31.8471, 16.9442



13.9617, 18.9065, 18.3407



4.6478, 5.2173, 5.1564



8.1462, 16.0413, 3.4894



0.0302, 0.0564, 0.0224

Inverse Universe

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



15.3279, 11.2382, 19.4511



25.8511, 17.3141, 33.1175



13.8821, 10.6599, 11.8376



4.8232, 4.7489, 5.6811



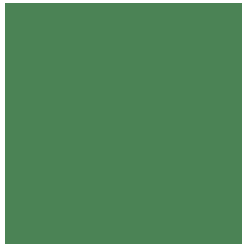
11.8583, 5.8077, 14.3579



0.0434, 0.0210, 0.0619

Previews

White Background



This preview shows how the XYZ color 12.6576, 18.3843, 11.4757 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 12.6576, 18.3843, 11.4757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

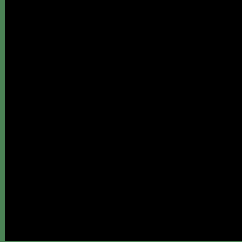
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6576, 18.3843, 11.4757

Background



This preview shows how black text looks on a background with the XYZ color 12.6576, 18.3843, 11.4757.



This preview shows how white text looks on a background with the XYZ color 12.6576, 18.3843,

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

12.6576, 18.3843, 11.4757

Protanopia

16.8285, 18.1252, 10.2010

Deuteranopia

18.3558, 18.0205, 11.9620



Tritanopia

15.5445, 18.3949, 25.6530

Trichromacy



Original Color

12.6576, 18.3843, 11.4757

Protanomaly

14.9126, 18.0263, 10.6761

Deuteranomaly

15.6804, 17.8505, 11.8516

Tritanomaly

14.2799, 18.2569, 19.6009

Monochromacy



Original Color

12.6576, 18.3843, 11.4757

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.5913, 16.1841, 14.4641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6576, 18.3843, 11.4757 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, 131, 85)` looks like.

```
.text, #text, p{  
    color:rgb(75, 131, 85)  
}
```

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, 131, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 131, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.6576, 18.3843, 11.4757 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, 131, 85) }
```


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

```
.border{ border-color:rgb(75, 131, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 131, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 131, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 131, 85);  
box-shadow:4px 4px 4px 4px rgb(75, 131,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6576, 18.3843, 11.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 131, 85) }
```

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

```
.background{ background-color: rgb(75, 131,  
85) }
```

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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