

Converting Colors

XYZ(12.1494, 18.7177, 8.0064)

Have a look what the booklet for
XYZ(12.1494, 18.7177, 8.0064)
contains.

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Color

**XYZ(12.2269, 18.8483,
7.9947)**

Conversions

Conversions Part 1

Format	Color
Hex	498641
RGB	73, 134, 65
RGB Percent	29%, 53%, 25%
CMY	0.7137, 0.4745, 0.7451
CMYK	0.46, 0.00, 0.51, 0.47
HSL	113°, 35%, 39%
HSV	113°, 51%, 53%
XYZ	12.2269, 18.8483, 7.9947
YIQ	107.8950, -14.2070, -34.3910

Conversions

Conversions Part 2

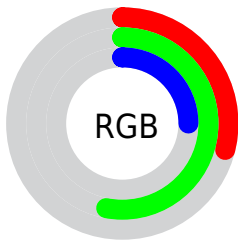
Format	Color
RYB	65, 134, 126
Decimal	4818497
CIELab	50.51, -34.27, 30.92
CIELCh	51, 46.162, 137.943
Yxy	18.8483, 0.3129, 0.4824
Android (android.graphics.Color)	4283008577 (0xFF498641)
YUV	107.8950, -21.1472, -30.6029
Hunter-Lab	43.4146, -25.7045, 19.4721

Details

The XYZ color **12.2269, 18.8483, 7.9947** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.7984, 9.9380, 23.6935**, and the grayscale version is **14.2851, 15.0290, 16.3666**.

A 20% lighter version of the original color is **29.6247, 41.6170, 22.3911**, and **3.5290, 6.5129, 1.6434** is the 20% darker color. If you saturate the color by 10%, you get **11.0703, 18.2923, 6.1493**, and if you desaturate by 10%, it is **13.6476, 19.5309, 10.3341**.

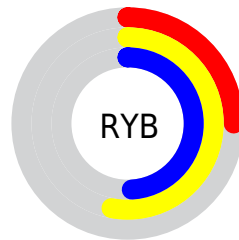
Distribution



Red (29%)

Green (53%)

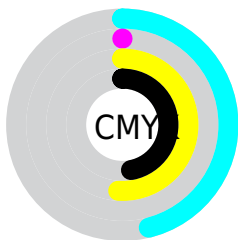
Blue (25%)



Red (25%)

Yellow (53%)

Blue (49%)

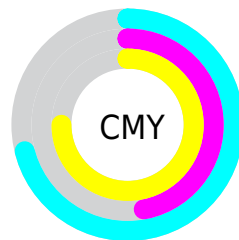


Cyan (46%)

Magenta (0%)

Yellow (51%)

Black (47%)



Cyan (71%)

Magenta (47%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2269, 18.8483, 7.9947 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 12.2269, 18.8483, 7.9947 by changing the saturation by 10% instead.

■ 12.2269, 18.8483,
7.9947

■ 12.2269, 18.8483,
7.9947

199.6411,
245.6100, 185.6235

■ 6.9717, 11.5607,
4.0038

■ 29.5210, 41.4776,
22.4941

■ 3.4906, 6.4453,
1.6274

■ 42.2906, 57.5881,
33.8396

■ 1.4182, 3.1177,
0.3103

■ 58.2956, 77.4084,
48.4738

■ 0.2691, 1.1935,
0.0000

■ 77.9016, 101.3228,
66.8152

■ 0.0000, 0.0564,
0.0000

■ 101.4737,
129.7158, 89.2824

■ 0.0000, 0.0000,
0.0000

■ 129.3775,

162.9717, 116.2937

161.9781,
201.4750, 148.2679

■ 12.2269, 18.8483,
7.9947

■ 12.2269, 18.8483,
7.9947

■ 11.0703, 18.2923,
6.1493

■ 13.6476, 19.5309,
10.3341

■ 10.1601, 17.8528,
4.7613

■ 15.3459, 20.3448,
13.1981

■ 9.4784, 17.5221,
3.7910

■ 17.3361, 21.2972,
16.6164

■ 9.0044, 17.2906,
3.1918

■ 19.6311, 22.3942,
20.6159

■ 8.7313, 17.1570,
2.8515

■ 22.2431, 23.6415,
25.2219

■ 25.1834, 25.0444,
30.4583

■ 28.4630, 26.6081,
36.3474

■ 32.0922, 28.3376,
42.9108

■ 36.0810, 30.2373,
50.1689

Harmonies

Analogous

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



15.3788, 18.8483, 4.8209



12.2269, 18.8483, 7.9947



10.7143, 18.8483, 15.7685

Triad

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



12.2269, 18.8483, 7.9947



16.1671, 18.8483, 55.5544



27.4736, 18.8483, 13.7951

Complementary

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



12.2269, 18.8483, 7.9947



14.7984, 9.9380, 23.6935

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.



27.7805, 18.8483, 26.1474



12.2269, 18.8483, 7.9947



20.7152, 18.8483, 54.2850

Square

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



12.2269, 18.8483, 7.9947



12.7204, 18.8483, 44.9726



25.1390, 18.8483, 42.0047



24.3597, 18.8483, 7.0728

Rectangle

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



12.2269, 18.8483, 7.9947



10.6379, 18.8483, 24.1414



25.1390, 18.8483, 42.0047



27.9253, 18.8483, 17.2848

Sweetspot

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



12.2274, 18.8491, 7.9951



32.9699, 38.6822, 33.4932



18.2409, 20.3598, 7.9698



7.2646, 8.6367, 7.2612



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.



12.2274, 18.8491, 7.9951



19.1716, 32.0676, 10.3168



12.6135, 18.9380, 12.9907



4.6628, 5.2287, 4.9929



8.1875, 16.0808, 2.6724



0.0314, 0.0573, 0.0094

Inverse Universe

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



14.7984, 9.9380, 23.6935



24.2088, 14.4870, 41.2587



14.4054, 9.9226, 15.2188



4.8062, 4.7362, 5.8616



11.0995, 5.2561, 21.5662



0.0422, 0.0201, 0.0749

Previews

White Background



This preview shows how the XYZ color 12.2269, 18.8483, 7.9947 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 12.2269, 18.8483, 7.9947

Background



This preview shows how black text looks on a background with the XYZ color 12.2269, 18.8483, 7.9947.



This preview shows how white text looks on a background with the XYZ color 12.2269, 18.8483,

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

12.2269, 18.8483, 7.9947

Protanopia

17.0478, 18.6647, 6.9791

Deuteranopia

18.7999, 18.4966, 8.3737



Tritanopia

15.8353, 18.7255, 26.0723

Trichromacy



Original Color

12.2269, 18.8483, 7.9947

Protanomaly

14.7587, 18.3945, 7.3301

Deuteranomaly

15.4885, 18.0140, 8.1296

Tritanomaly

14.1444, 18.6201, 17.6004

Monochromacy



Original Color

12.2269, 18.8483, 7.9947

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.0124, 15.9282, 12.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2269, 18.8483, 7.9947 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(73, 134, 65)` looks like.

```
.text, #text, p{  
    color:rgb(73, 134, 65)  
}
```

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(73, 134, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 134, 65) }
```

Border

The CSS property to change the border of an element to XYZ 12.2269, 18.8483, 7.9947 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(73, 134, 65) }
```


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

```
.border{ border-color:rgb(73, 134, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 134, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 134, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 134, 65);  
box-shadow:4px 4px 4px 4px rgb(73, 134,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2269, 18.8483, 7.9947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 134, 65) }
```

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

```
.background{ background-color: rgb(73, 134,  
65) }
```

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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