

Converting Colors

XYZ(12.6781, 18.1139, 2.8281)

Have a look what the booklet for
XYZ(12.6781, 18.1139, 2.8281)
contains.

XYZ(12.7800, 18.2419, 2.8475)	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>	30

Color

**XYZ(12.7800, 18.2419,
2.8475)**

Conversions

Conversions Part 1

Format	Color
Hex	618100
RGB	97, 129, 0
RGB Percent	38%, 51%, 0%
CMY	0.6196, 0.4941, 1.0000
CMYK	0.25, 0.00, 1.00, 0.49
HSL	75°, 100%, 25%
HSV	75°, 100%, 51%
XYZ	12.7800, 18.2419, 2.8475
YIQ	104.7260, 22.3370, -46.9030

Conversions

Conversions Part 2

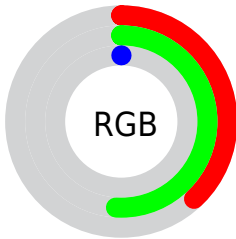
Format	Color
RYB	0, 129, 32
Decimal	6390016
CIELab	49.79, -27.42, 54.06
CIELCh	50, 60.617, 116.890
Yxy	18.2419, 0.3773, 0.5386
Android (android.graphics.Color)	4284580096 (0xFF618100)
YUV	104.7260, -51.6299, -6.7757
Hunter-Lab	42.7105, -21.3320, 25.9445

Details

The XYZ color **12.7800, 18.2419, 2.8475** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.5589, 1.8926, 20.8950**, and the grayscale version is **13.4848, 14.1870, 15.4497**.

A 20% lighter version of the original color is **30.4446, 40.4169, 11.1977**, and **3.9508, 6.2952, 1.0069** is the 20% darker color. If you saturate the color by 10%, you get **12.7801, 18.2426, 2.8476**, and if you desaturate by 10%, it is **13.2004, 18.4509, 3.2434**.

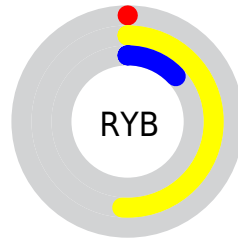
Distribution



Red (38%)

Green (51%)

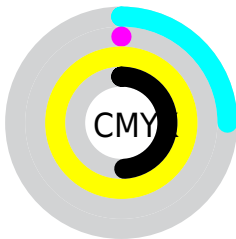
Blue (0%)



Red (0%)

Yellow (51%)

Blue (13%)

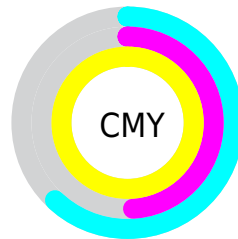


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (62%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7800, 18.2419, 2.8475 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 12.7800, 18.2419, 2.8475 by changing the saturation by 10% instead.

■ 12.7800, 18.2419,
2.8475

■ 12.7800, 18.2419,
2.8475

203.1691,
242.2310, 134.3940

■ 7.3532, 11.1238,
1.0173

■ 30.5127, 40.4491,
11.2498

■ 3.7322, 6.1502,
0.0000

■ 43.5492, 56.3070,
18.6589

■ 1.5518, 2.9366,
0.0000

■ 59.8531, 75.8469,
28.7648

■ 0.3607, 1.0987,
0.0000

■ 79.7896, 99.4532,
41.9859


■ 0.0000, 0.0000,
0.0000


■ 103.7241,
127.5104, 58.7409


■ 132.0219,


160.4029, 79.4482


 165.0485,
198.5149, 104.5264


 12.7800, 18.2419,
2.8475


 12.7800, 18.2419,
2.8475


 12.7801, 18.2426,
2.8476

 13.2004, 18.4509,
3.2434

 13.6746, 18.6824,
3.8516

 14.2277, 18.9471,
4.8017

 14.8676, 19.2481,
6.1348

 15.6011, 19.5882,
7.8858

■ 16.4343, 19.9699,
10.0861

■ 17.3727, 20.3954,
12.7638

■ 18.4214, 20.8667,
15.9448

■ 19.5851, 21.3857,
19.6531

Harmonies

Analogous

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



17.9486, 18.2419, 2.0148



12.7800, 18.2419, 2.8475



9.5929, 18.2419, 7.0515

Triad

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



12.7800, 18.2419, 2.8475



11.9463, 18.2419, 60.2571



30.9794, 18.2419, 21.6404

Complementary

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



12.7800, 18.2419, 2.8475



4.5589, 1.8926, 20.8950

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.



28.4191, 18.2419, 42.8288



12.7800, 18.2419, 2.8475



16.7421, 18.2419, 71.6451

Square

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



12.7800, 18.2419, 2.8475



9.1921, 18.2419, 38.0264



22.8692, 18.2419, 63.9503



29.2659, 18.2419, 8.6606

Rectangle

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



12.7800, 18.2419, 2.8475



8.6073, 18.2419, 13.4797



22.8692, 18.2419, 63.9503



30.5786, 18.2419, 27.9960

Sweetspot

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



12.7804, 18.2427, 2.8479



30.9833, 36.4650, 22.4859



9.5208, 5.6014, 0.5797



6.8756, 8.1915, 4.6911



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.7804, 18.2427, 2.8479



22.7427, 32.5932, 5.0925



8.5240, 16.0484, 2.6487



4.5644, 4.9674, 4.6384



12.4640, 17.7878, 2.7765



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.5589, 1.8926, 20.8950



8.0408, 3.3255, 37.4106



8.6412, 3.9971, 21.0861



4.2011, 4.2593, 5.4140



4.4478, 1.8466, 20.3720



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7800, 18.2419, 2.8475 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 12.7800, 18.2419, 2.8475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

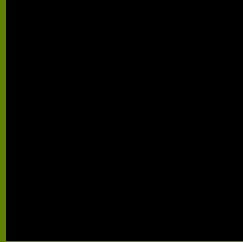
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7800, 18.2419, 2.8475

Background



This preview shows how black text looks on a background with the XYZ color 12.7800, 18.2419, 2.8475.



This preview shows how white text looks on a background with the XYZ color 12.7800, 18.2419,

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

12.7800, 18.2419, 2.8475

Deuteranopia

18.3535, 18.0438, 3.3796

Tritanopia

16.9856, 18.2691, 23.3999

Trichromacy



Original Color

12.7800, 18.2419, 2.8475

Deuteranomaly

15.7706, 17.7372, 3.0444

Tritanomaly

14.4316, 17.7784, 10.6536

Monochromacy



Original Color

12.7800, 18.2419, 2.8475

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.5099, 15.2647, 7.5972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7800, 18.2419, 2.8475 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(97, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 129, 0)  
}
```

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(97, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7800, 18.2419, 2.8475 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(97, 129, 0) }
```

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

```
.border{ border-color:rgb(97, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(97, 129, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 12.7800, 18.2419, 2.8475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 129, 0) }
```

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

```
.background{ background-color: rgb(97, 129,  
0) }
```

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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