

Converting Colors

XYZ(12.1839, 12.9003, 1.8478)

Have a look what the booklet for
XYZ(12.1839, 12.9003, 1.8478)
contains.

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Color

**XYZ(12.2076, 12.9168,
1.8498)**

Conversions

Conversions Part 1

Format	Color
Hex	786300
RGB	120, 99, 0
RGB Percent	47%, 39%, 0%
CMY	0.5294, 0.6118, 1.0000
CMYK	0.00, 0.17, 1.00, 0.53
HSL	50°, 100%, 24%
HSV	50°, 100%, 47%
XYZ	12.2076, 12.9168, 1.8498
YIQ	93.9930, 44.2950, -26.3370

Conversions

Conversions Part 2

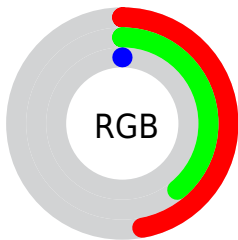
Format	Color
R_{YB}	25, 120, 0
Decimal	7889664
CIE _{Lab}	42.64, -0.48, 49.68
CIE _{LCh}	43, 49.687, 90.550
Yxy	12.9168, 0.4526, 0.4789
Android (android.graphics.Color)	4286079744 (0xFF786300)
YUV	93.9930, -46.3385, 22.8081
Hunter-Lab	35.9399, -2.2644, 22.1064

Details

The XYZ color **12.2076, 12.9168, 1.8498** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.6584, 1.8925, 17.9416**, and the grayscale version is **10.7370, 11.2961, 12.3015**.

A 20% lighter version of the original color is **29.4414, 31.0408, 8.5774**, and **3.5878, 3.7395, 0.5327** is the 20% darker color. If you saturate the color by 10%, you get **12.2078, 12.9172, 1.8499**, and if you desaturate by 10%, it is **12.4758, 13.3470, 2.2667**.

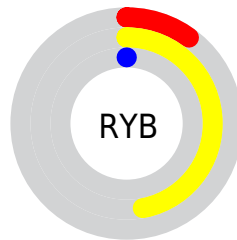
Distribution



Red (47%)

Green (39%)

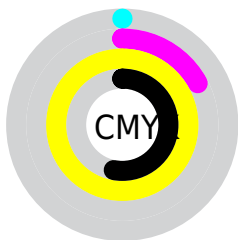
Blue (0%)



Red (10%)

Yellow (47%)

Blue (0%)

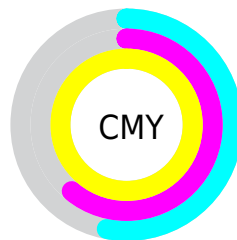


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2076, 12.9168, 1.8498 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 12.2076, 12.9168, 1.8498 by changing the saturation by 10% instead.


 12.2076, 12.9168,
1.8498


 12.2076, 12.9168,
1.8498


 199.5168,
210.3838, 119.9991


 6.9584, 7.3713,
0.4605


 29.4862, 31.1542,
8.6259


 3.4822, 3.6954,
0.0000


 42.2464, 44.6149,
14.9325


 1.4136, 1.5047,
0.0000

 58.2410, 61.4828,
23.7428

 0.2659, 0.2920,
0.0000


 77.8352, 82.1423,
35.4754


 0.0000, 0.0000,
0.0000


 101.3946,
106.9777, 50.5488


 129.2844,


136.3735, 69.3815


 161.8700,
170.7141, 92.3921


 12.2076, 12.9168,
1.8498


 12.2076, 12.9168,
1.8498


 12.2078, 12.9172,
1.8499

 12.4758, 13.3470,
2.2667

 12.7811, 13.8000,
2.8545

 13.1467, 14.2854,
3.7340

 13.5790, 14.8060,
4.9391

 14.0838, 15.3641,
6.4990

■ 14.6659, 15.9617,
8.4398

■ 15.3298, 16.6006,
10.7849

■ 16.0797, 17.2827,
13.5560

■ 16.9195, 18.0094,
16.7733

Harmonies

Analogous

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



16.1920, 12.9168, 2.6326



12.2076, 12.9168, 1.8498



8.9522, 12.9168, 2.6983

Triad

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



12.2076, 12.9168, 1.8498



7.0377, 12.9168, 27.4568



19.7229, 12.9168, 26.9213

Complementary

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



12.2076, 12.9168, 1.8498



3.6584, 1.8925, 17.9416

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.



16.3374, 12.9168, 40.5465



12.2076, 12.9168, 1.8498



9.0502, 12.9168, 40.9514

Square

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



12.2076, 12.9168, 1.8498



6.3668, 12.9168, 14.2644



12.3467, 12.9168, 46.6593



21.0338, 12.9168, 13.8659

Rectangle

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



12.2076, 12.9168, 1.8498



7.4918, 12.9168, 4.5746



12.3467, 12.9168, 46.6593



18.7597, 12.9168, 31.7829

Sweetspot

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



12.2079, 12.9174, 1.8501



26.8712, 29.1121, 18.6385



7.8906, 4.0511, 1.1254



6.2707, 6.8068, 4.0684



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.2079, 12.9174, 1.8501



21.3860, 22.5484, 3.2251



10.1963, 15.2268, 2.4018



4.2509, 4.5203, 4.2730



13.3090, 14.0740, 2.0151



62.9317, 66.0268, 9.4276

Inverse Universe

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



3.6584, 1.8925, 17.9416



6.3596, 3.1790, 31.5315



4.1897, 1.7683, 17.8897



3.8491, 3.9966, 5.0117



3.9828, 2.0480, 19.5707



18.5492, 8.8711, 93.2044

Previews

White Background



This preview shows how the XYZ color 12.2076, 12.9168, 1.8498 looks on a white background.

Color Contrast Check

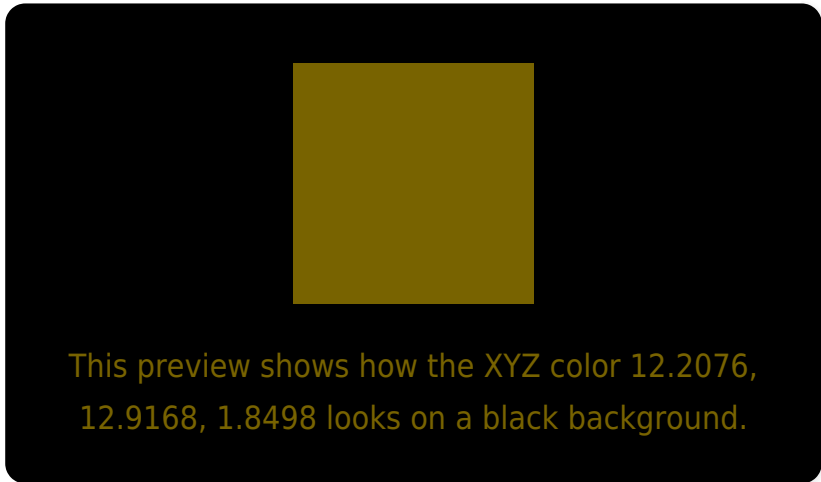
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

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

XYZ 12.2076, 12.9168, 1.8498

Background



This preview shows how black text looks on a background with the XYZ color 12.2076, 12.9168, 1.8498.



This preview shows how white text looks on a background with the XYZ color 12.2076, 12.9168,

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

12.2076, 12.9168, 1.8498

Protanopia

11.6205, 12.8957, 2.0202

Deuteranopia

13.1397, 12.9769, 2.0994



Tritanopia

14.5367, 12.9151, 13.5311

Trichromacy



Original Color

12.2076, 12.9168, 1.8498

Protanomaly

11.7761, 12.8339, 1.9427

Deuteranomaly

12.7650, 12.9225, 1.9938

Tritanomaly

13.1578, 12.7543, 6.4710

Monochromacy



Original Color

12.2076, 12.9168, 1.8498

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.5920, 11.5756, 5.9510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2076, 12.9168, 1.8498 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(120, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 99, 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(120, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 99, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.2076, 12.9168, 1.8498 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(120, 99, 0) }
```


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

```
.border{ border-color:rgb(120, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2076, 12.9168, 1.8498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 99, 0) }
```

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

```
.background{ background-color: rgb(120, 99,  
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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