

Converting Colors

XYZ(11.9743, 12.4811, 1.7780)

Have a look what the booklet for
XYZ(11.9743, 12.4811, 1.7780)
contains.

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Color

**XYZ(12.0204, 12.5425,
1.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	786100
RGB	120, 97, 0
RGB Percent	47%, 38%, 0%
CMY	0.5294, 0.6196, 1.0000
CMYK	0.00, 0.19, 1.00, 0.53
HSL	49°, 100%, 24%
HSV	49°, 100%, 47%
XYZ	12.0204, 12.5425, 1.7874
YIQ	92.8190, 44.8450, -25.2910

Conversions

Conversions Part 2

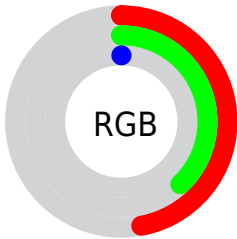
Format	Color
RYB	28, 120, 0
Decimal	7889152
CIELab	42.07, 0.69, 49.28
CIELCh	42, 49.288, 89.196
Yxy	12.5425, 0.4562, 0.4760
Android (android.graphics.Color)	4286079232 (0xFF786100)
YUV	92.8190, -45.7598, 23.8377
Hunter-Lab	35.4154, -1.3919, 21.7984

Details

The XYZ color **12.0204, 12.5425, 1.7874** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.6966, 1.9689, 17.9542**, and the grayscale version is **10.4587, 11.0033, 11.9826**.

A 20% lighter version of the original color is **29.1276, 30.4133, 8.4728**, and **3.4986, 3.5609, 0.5029** is the 20% darker color. If you saturate the color by 10%, you get **12.0206, 12.5429, 1.7875**, and if you desaturate by 10%, it is **12.3026, 13.0009, 2.2090**.

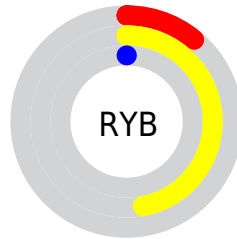
Distribution



Red (47%)

Green (38%)

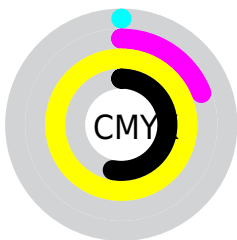
Blue (0%)



Red (11%)

Yellow (47%)

Blue (0%)

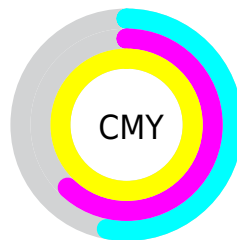


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0204, 12.5425, 1.7874 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 12.0204, 12.5425, 1.7874 by changing the saturation by 10% instead.

■ 12.0204, 12.5425,
1.7874

■ 12.0204, 12.5425,
1.7874

■ 198.3074,
207.9644, 118.9830

■ 6.8299, 7.1143,
0.4196

■ 29.1488, 30.4794,
8.4510

■ 3.4013, 3.5337,
0.0000

■ 41.8174, 43.7568,
14.6800

■ 1.3694, 1.4163,
0.0000

■ 57.7093, 60.4195,
23.3985

■ 0.2342, 0.2287,
0.0000


■ 77.1900, 80.8517,
35.0251


■ 0.0000, 0.0000,
0.0000


■ 100.6248,
105.4379, 49.9783


■ 128.3791,


134.5625, 68.6767


 160.8182,
168.6099, 91.5387


 12.0204, 12.5425,
1.7874


 12.0204, 12.5425,
1.7874


 12.0206, 12.5429,
1.7875

 12.3026, 13.0009,
2.2090

 12.6230, 13.4839,
2.8018

 13.0046, 14.0015,
3.6866

 13.4541, 14.5563,
4.8973

 13.9770, 15.1506,
6.4633

■ 14.5783, 15.7866,
8.4104

■ 15.2624, 16.4660,
10.7622

■ 16.0337, 17.1907,
13.5404

■ 16.8958, 17.9622,
16.7650

Harmonies

Analogous

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



15.9040, 12.5425, 2.6252



12.0204, 12.5425, 1.7874



8.8052, 12.5425, 2.5320

Triad

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



12.0204, 12.5425, 1.7874



6.7694, 12.5425, 26.0478



19.0516, 12.5425, 26.8093

Complementary

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



12.0204, 12.5425, 1.7874



3.6966, 1.9689, 17.9542

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.



15.6974, 12.5425, 39.9165



12.0204, 12.5425, 1.7874



8.6660, 12.5425, 39.3405

Square

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



12.0204, 12.5425, 1.7874



6.1747, 12.5425, 13.3755



11.8227, 12.5425, 45.3830



20.4413, 12.5425, 13.9417

Rectangle

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



12.0204, 12.5425, 1.7874



7.3453, 12.5425, 4.2615



11.8227, 12.5425, 45.3830



18.0866, 12.5425, 31.5331

Sweetspot

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



12.0207, 12.5431, 1.7876



26.7503, 28.8703, 18.5982



7.9106, 4.0591, 1.2309



6.2391, 6.7437, 4.0578



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.



12.0207, 12.5431, 1.7876



21.0511, 21.8786, 3.1135



10.3726, 15.3176, 2.4100



4.2456, 4.5096, 4.2712



13.1043, 13.6645, 1.9468



61.9179, 63.9992, 9.0897

Inverse Universe

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



3.6966, 1.9689, 17.9542



6.4222, 3.3040, 31.5523



4.1178, 1.7313, 17.8862



3.8541, 4.0065, 5.0134



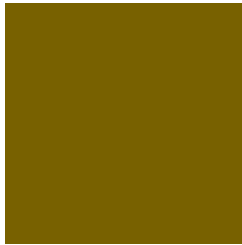
4.0240, 2.1304, 19.5844



18.7146, 9.2019, 93.2596

Previews

White Background



This preview shows how the XYZ color 12.0204, 12.5425, 1.7874 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

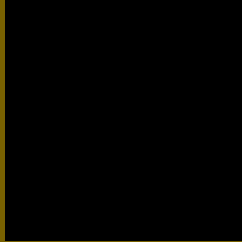
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0204, 12.5425, 1.7874

Background



This preview shows how black text looks on a background with the XYZ color 12.0204, 12.5425, 1.7874.



This preview shows how white text looks on a background with the XYZ color 12.0204, 12.5425,

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

12.0204, 12.5425, 1.7874

Protanopia

11.2667, 12.5700, 1.9760

Deuteranopia

12.6562, 12.4608, 1.9966



Tritanopia

14.2713, 12.5354, 12.9767

Trichromacy



Original Color

12.0204, 12.5425, 1.7874

Protanomaly

11.5485, 12.5751, 1.9047

Deuteranomaly

12.4373, 12.4827, 1.9262

Tritanomaly

12.9522, 12.3875, 6.2658

Monochromacy



Original Color

12.0204, 12.5425, 1.7874

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.3856, 11.2047, 5.7530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0204, 12.5425, 1.7874 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, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 97, 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, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0204, 12.5425, 1.7874 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, 97, 0) }
```


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

```
.border{ border-color:rgb(120, 97, 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, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0204, 12.5425, 1.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 97, 0) }
```

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

```
.background{ background-color: rgb(120, 97,  
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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