

Converting Colors

XYZ(6.4241, 12.5000, 2.4288)

Have a look what the booklet for
XYZ(6.4241, 12.5000, 2.4288)
contains.

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Color

**XYZ(6.4777, 12.6029,
2.4390)**

Conversions

Conversions Part 1

Format	Color
Hex	0D740C
RGB	13, 116, 12
RGB Percent	5%, 45%, 5%
CMY	0.9490, 0.5451, 0.9529
CMYK	0.89, 0.00, 0.90, 0.55
HSL	119°, 81%, 25%
HSV	119°, 90%, 45%
XYZ	6.4777, 12.6029, 2.4390
YIQ	73.3470, -28.0040, -54.1800

Conversions

Conversions Part 2

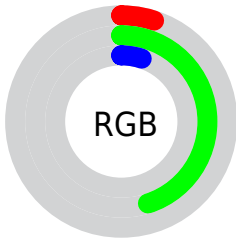
Format	Color
R_{YB}	12, 116, 115
Decimal	881676
CIE Lab	42.16, -46.45, 43.90
CIE LCh	42, 63.908, 136.619
Yxy	12.6029, 0.3010, 0.5856
Android (android.graphics.Color)	4279071756 (0xFF0D740C)
YUV	73.3470, -30.2441, -52.9243
Hunter-Lab	35.5006, -29.5555, 20.7770

Details

The XYZ color **6.4777, 12.6029, 2.4390** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **10.3557, 5.1697, 16.9757**, and the grayscale version is **6.4489, 6.7847, 7.3886**.

A 20% lighter version of the original color is **18.5944, 30.5305, 10.2231**, and **1.9482, 3.8964, 0.6494** is the 20% darker color. If you saturate the color by 10%, you get **6.2668, 12.5019, 2.0945**, and if you desaturate by 10%, it is **6.7948, 12.7559, 2.9468**.

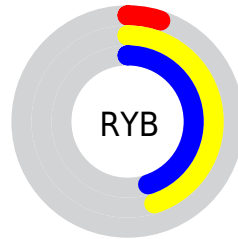
Distribution



Red (5%)

Green (45%)

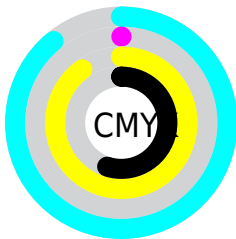
Blue (5%)



Red (5%)

Yellow (45%)

Blue (45%)

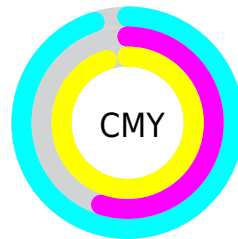


Cyan (89%)

Magenta (0%)

Yellow (90%)

Black (55%)



Cyan (95%)


Magenta (55%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.4777, 12.6029, 2.4390 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 6.4777, 12.6029, 2.4390 by changing the saturation by 10% instead.


 6.4777, 12.6029,
2.4390


 6.4777, 12.6029,
2.4390


157.8918,
208.3568, 128.8591


 3.1811, 7.1557,
0.8076


 18.6298, 30.5885,
10.2096


 1.2502, 3.5597,
0.0000

 28.2159, 43.8957,
17.1941


 0.1455, 1.4304,
0.0000

 40.6293, 60.5916,
26.8029

 0.0000, 0.2390,
0.0000


 56.2352, 81.0607,
39.4544


 0.0000, 0.0000,
0.0000


 75.3991, 105.6874,
55.5673


 98.4862, 134.8561,


75.5600


 125.8620,
168.9511, 99.8511


 6.4777, 12.6029,
2.4390


 6.4777, 12.6029,
2.4390


 6.2668, 12.5019,
2.0945


 6.7948, 12.7559,
2.9468

 6.2595, 12.4985,
2.0825

 7.2788, 12.9885,
3.7296

 7.9487, 13.3105,
4.8191

 8.8208, 13.7294,
6.2426

 9.9094, 14.2523,
8.0242

■ 11.2278, 14.8855,
10.1859

■ 12.7879, 15.6347,
12.7479

■ 14.6012, 16.5054,
15.7291

■ 16.6781, 17.5025,
19.1469

Harmonies

Analogous

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



9.5449, 12.6029, 0.8004



6.4777, 12.6029, 2.4390



5.0937, 12.6029, 8.5020

Triad

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



6.4777, 12.6029, 2.4390



9.9811, 12.6029, 58.3453



23.0765, 12.6029, 7.5030

Complementary

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



6.4777, 12.6029, 2.4390



10.3557, 5.1697, 16.9757

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.



23.2846, 12.6029, 20.7340



6.4777, 12.6029, 2.4390



14.7946, 12.6029, 57.3439

Square

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



6.4777, 12.6029, 2.4390



6.7237, 12.6029, 42.9893



19.9471, 12.6029, 40.7834



19.4372, 12.6029, 2.1224

Rectangle

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



6.4777, 12.6029, 2.4390



4.9884, 12.6029, 16.9744



19.9471, 12.6029, 40.7834



23.5780, 12.6029, 10.9148

Sweetspot

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



6.4780, 12.6034, 2.4393



20.2407, 26.4075, 18.7333



13.3169, 15.8351, 2.7026



4.6686, 6.2230, 4.2063



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



6.4780, 12.6034, 2.4393



10.9963, 21.9658, 3.6603



7.2743, 12.9203, 6.7069



3.6436, 4.0997, 3.9416



7.0234, 14.0250, 2.3369



34.1844, 68.3245, 11.3862

Inverse Universe

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



10.3557, 5.1697, 16.9757



17.9386, 8.6075, 29.7605



8.3099, 4.3665, 5.5186



3.8234, 3.7562, 4.6138



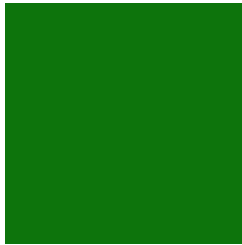
11.4555, 5.4969, 18.9998



55.7801, 26.7642, 92.5864

Previews

White Background



This preview shows how the XYZ color 6.4777, 12.6029, 2.4390 looks on a white background.

Color Contrast Check

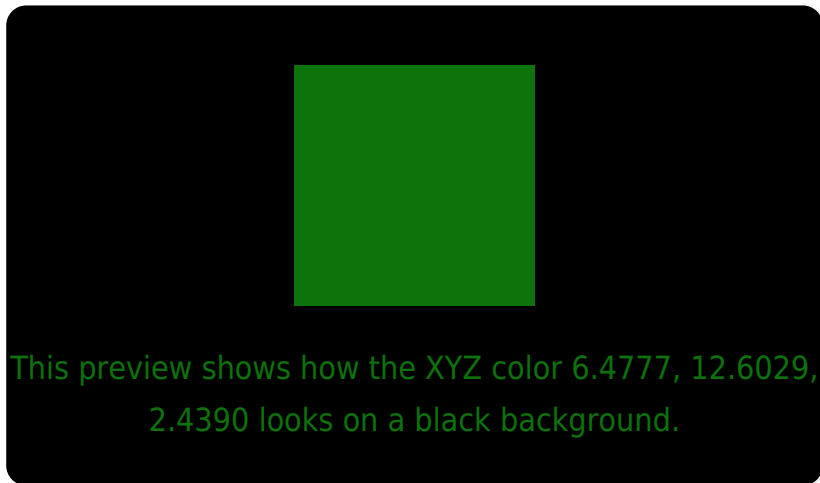
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.4777, 12.6029, 2.4390

Background



This preview shows how black text looks on a background with the XYZ color 6.4777, 12.6029, 2.4390.



This preview shows how white text looks on a background with the XYZ color 6.4777, 12.6029,

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

6.4777, 12.6029, 2.4390

Protanopia

11.1604, 12.3750, 1.8865

Deuteranopia

12.6580, 12.4445, 2.7718



Tritanopia

9.8888, 12.6876, 18.7574

Trichromacy



Original Color

6.4777, 12.6029, 2.4390

Protanomaly

8.0649, 11.6528, 1.9964

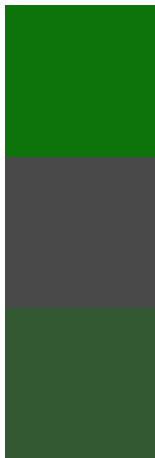
Deuteranomaly

8.5523, 11.4455, 2.5175

Tritanomaly

7.8587, 12.3267, 9.3622

Monochromacy



Original Color

6.4777, 12.6029, 2.4390

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

5.5352, 8.0876, 4.4013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.4777, 12.6029, 2.4390 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(13, 116, 12)` looks like.

```
.text, #text, p{  
    color:rgb(13, 116, 12)  
}
```

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(13, 116, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 116, 12) }
```

Border

The CSS property to change the border of an element to XYZ 6.4777, 12.6029, 2.4390 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(13, 116, 12) }
```


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

```
.border{ border-color:rgb(13, 116, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 116, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 116, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 116, 12);  
box-shadow:4px 4px 4px 4px rgb(13, 116,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 6.4777, 12.6029, 2.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 116, 12) }
```

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

```
.background{ background-color: rgb(13, 116,  
12) }
```

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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