

Converting Colors

XYZ(12.6002, 17.5469, 3.8214)

Have a look what the booklet for
XYZ(12.6002, 17.5469, 3.8214)
contains.

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Color

**XYZ(12.6002, 17.5469,
3.8214)**

Conversions

Conversions Part 1

Format	Color
Hex	617E1C
RGB	97, 126, 28
RGB Percent	38%, 49%, 11%
CMY	0.6196, 0.5059, 0.8902
CMYK	0.23, 0.00, 0.78, 0.51
HSL	78°, 64%, 30%
HSV	78°, 78%, 49%
XYZ	12.6002, 17.5469, 3.8214
YIQ	106.1570, 14.1740, -36.6260

Conversions

Conversions Part 2

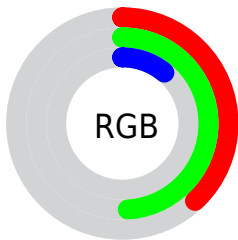
Format	Color
R_{YB}	28, 126, 57
Decimal	6389276
CIE Lab	48.94, -24.97, 46.49
CIE LCh	49, 52.771, 118.247
Yxy	17.5469, 0.3709, 0.5166
Android (android.graphics.Color)	4284579356 (0xFF617E1C)
YUV	106.1570, -38.5314, -8.0307
Hunter-Lab	41.8890, -19.6131, 23.9135

Details

The XYZ color **12.6002, 17.5469, 3.8214** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.8692, 3.2072, 20.0494**, and the grayscale version is **13.8429, 14.5638, 15.8599**.

A 20% lighter version of the original color is **30.1457, 39.3034, 13.5869**, and **3.7806, 5.8886, 0.9374** is the 20% darker color. If you saturate the color by 10%, you get **12.0920, 17.2994, 3.1690**, and if you desaturate by 10%, it is **13.1911, 17.8309, 4.8082**.

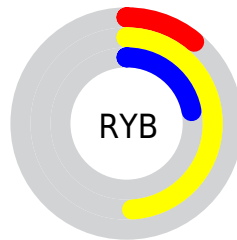
Distribution



Red (38%)

Green (49%)

Blue (11%)



Red (11%)

Yellow (49%)

Blue (22%)

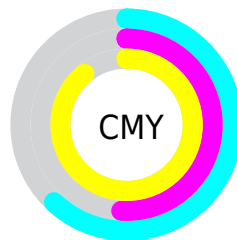


Cyan (23%)

Magenta (0%)

Yellow (78%)

Black (51%)



Cyan (62%)

Magenta (51%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6002, 17.5469, 3.8214 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 12.6002, 17.5469, 3.8214 by changing the saturation by 10% instead.

■ 12.6002, 17.5469,
3.8214

■ 12.6002, 17.5469,
3.8214

202.0291,
238.3046, 146.2191

■ 7.2289, 10.6252,
1.5279

■ 30.1911, 39.2637,
13.5957

■ 3.6533, 5.8154,
0.2386

■ 43.1414, 54.8276,
21.9136

■ 1.5079, 2.7332,
0.0000

■ 59.3488, 74.0410,
33.0767

■ 0.3312, 0.9941,
0.0000

■ 79.1786, 97.2883,
47.5035

■ 0.0000, 0.0000,
0.0000

■ 102.9962,
124.9540, 65.6126

■ 131.1669,

157.4223, 87.8226

164.0561,
195.0777, 114.5519

12.6002, 17.5469,
3.8214

12.6002, 17.5469,
3.8214

12.0920, 17.2994,
3.1690

13.1911, 17.8309,
4.8082

11.6486, 17.0793,
2.7632

13.8708, 18.1519,
6.1655

11.5534, 17.0321,
2.6786

14.6460, 18.5134,
7.9256

15.5224, 18.9176,
10.1174

16.5052, 19.3666,
12.7670

■ 17.5992, 19.8624,
15.8982

■ 18.8088, 20.4068,
19.5335

■ 20.1383, 21.0015,
23.6937

■ 21.5916, 21.6480,
28.3987

Harmonies

Analogous

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



16.9681, 17.5469, 2.8270



12.6002, 17.5469, 3.8214



9.8743, 17.5469, 8.1238

Triad

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



12.6002, 17.5469, 3.8214



12.1901, 17.5469, 52.5113



27.9939, 17.5469, 19.9442

Complementary

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



12.6002, 17.5469, 3.8214



5.8692, 3.2072, 20.0494

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.



26.0528, 17.5469, 37.1396



12.6002, 17.5469, 3.8214



16.3908, 17.5469, 60.8238

Square

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



12.6002, 17.5469, 3.8214



9.6722, 17.5469, 34.9540



21.5520, 17.5469, 54.1499



26.4433, 17.5469, 8.9605

Rectangle

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



12.6002, 17.5469, 3.8214



9.0427, 17.5469, 14.1143



21.5520, 17.5469, 54.1499



27.7217, 17.5469, 25.1535

Sweetspot

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



12.6006, 17.5477, 3.8218



29.8429, 34.4474, 24.7013



10.2173, 7.3258, 1.9744



6.6592, 7.7770, 5.2542



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.6006, 17.5477, 3.8218



20.7051, 30.1619, 5.0602



8.9490, 15.6652, 3.6509



4.5453, 4.9575, 4.6375



11.8478, 17.4702, 2.7476



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.8692, 3.2072, 20.0494



8.4035, 3.7514, 35.0255



9.9801, 5.3265, 20.2417



4.2192, 4.2686, 5.4148



4.6530, 1.9524, 20.3816



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6002, 17.5469, 3.8214 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 12.6002, 17.5469, 3.8214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

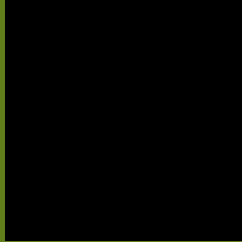
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6002, 17.5469, 3.8214

Background



This preview shows how black text looks on a background with the XYZ color 12.6002, 17.5469, 3.8214.



This preview shows how white text looks on a background with the XYZ color 12.6002, 17.5469,

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

12.6002, 17.5469, 3.8214

Protanopia

15.6378, 17.3112, 3.4945

Deuteranopia

17.5564, 17.2930, 4.0027



Tritanopia

16.3764, 17.4430, 22.5824

Trichromacy



Original Color

12.6002, 17.5469, 3.8214

Protanomaly

14.3855, 17.3636, 3.6302

Deuteranomaly

15.4082, 17.1843, 3.8713

Tritanomaly

14.3137, 17.1313, 12.4498

Monochromacy



Original Color

12.6002, 17.5469, 3.8214

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8738, 15.2439, 9.4716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6002, 17.5469, 3.8214 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, 126, 28)` looks like.

```
.text, #text, p{  
    color:rgb(97, 126, 28)  
}
```

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, 126, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 126, 28) }
```

Border

The CSS property to change the border of an element to XYZ 12.6002, 17.5469, 3.8214 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, 126, 28) }
```


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

```
.border{ border-color:rgb(97, 126, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 126, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 126, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 126, 28);  
box-shadow:4px 4px 4px 4px rgb(97, 126,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6002, 17.5469, 3.8214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 126, 28) }
```

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

```
.background{ background-color: rgb(97, 126,  
28) }
```

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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