

Converting Colors

XYZ(12.0149, 17.2152, 13.7573)

Have a look what the booklet for
XYZ(12.0149, 17.2152, 13.7573)
contains.

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Color

**XYZ(12.0154, 17.2166,
13.7562)**

Conversions

Conversions Part 1

Format	Color
Hex	437F60
RGB	67, 127, 96
RGB Percent	26%, 50%, 38%
CMY	0.7373, 0.5020, 0.6235
CMYK	0.47, 0.00, 0.24, 0.50
HSL	149°, 31%, 38%
HSV	149°, 47%, 50%
XYZ	12.0154, 17.2166, 13.7562
YIQ	105.5260, -25.8090, -22.3610

Conversions

Conversions Part 2

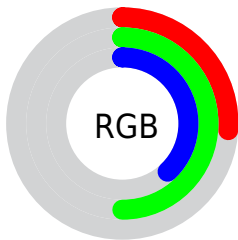
Format	Color
RYB	67, 107, 127
Decimal	4423520
CIELab	48.53, -27.21, 10.91
CIELCh	49, 29.318, 158.162
Yxy	17.2166, 0.2795, 0.4005
Android (android.graphics.Color)	4282613600 (0xFF437F60)
YUV	105.5260, -4.6963, -33.7873
Hunter-Lab	41.4929, -20.9230, 9.3885

Details

The XYZ color **12.0154, 17.2166, 13.7562** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.9647, 9.4085, 12.6884**, and the grayscale version is **13.5879, 14.2955, 15.5678**.

A 20% lighter version of the original color is **29.1955, 38.6710, 33.5293**, and **3.3812, 5.6162, 3.9234** is the 20% darker color. If you saturate the color by 10%, you get **10.9489, 16.7007, 12.1947**, and if you desaturate by 10%, it is **13.2991, 17.8424, 15.4603**.

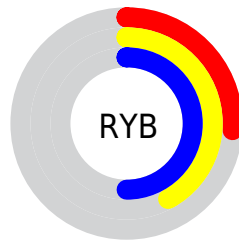
Distribution



Red (26%)

Green (50%)

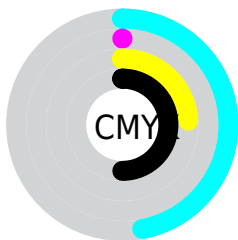
Blue (38%)



Red (26%)

Yellow (42%)

Blue (50%)

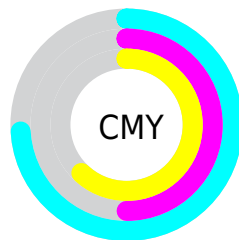


Cyan (47%)

Magenta (0%)

Yellow (24%)

Black (50%)



Cyan (74%)


Magenta (50%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0154, 17.2166, 13.7562 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 12.0154, 17.2166, 13.7562 by changing the saturation by 10% instead.


 12.0154, 17.2166,
13.7562


 12.0154, 17.2166,
13.7562


198.2750,
236.4175, 227.0843


 6.8264, 10.3890,
7.8145


 29.1398, 38.6978,
33.3667


 3.3992, 5.6577,
3.8904

 41.8059, 54.1203,
47.8725


 1.3682, 2.6381,
1.5654

 57.6951, 73.1764,
66.0702

 0.2334, 0.9458,
0.2660

 77.1728, 96.2508,
88.3782

 0.0000, 0.0000,
0.0000

 100.6042,
123.7277, 115.2150

128.3549,

155.9915, 146.9993

160.7900,
193.4266, 184.1495

■ 12.0154, 17.2166,
13.7562

■ 12.0154, 17.2166,
13.7562

■ 10.9489, 16.7007,
12.1947

■ 13.2991, 17.8424,
15.4603

■ 10.0849, 16.2859,
10.7708

■ 14.8106, 18.5823,
17.3094

■ 9.4091, 15.9654,
9.4809

■ 16.5615, 19.4425,
19.3075

■ 8.9046, 15.7305,
8.3206

■ 18.5623, 20.4284,
21.4580

■ 8.5361, 15.5631,
7.2849

■ 20.8227, 21.5450,
23.7640

■ 8.4424, 15.5205,
7.0201

■ 23.3519, 22.7969,
26.2289

■ 26.1587, 24.1886,
28.8555

■ 29.2514, 25.7244,
31.6469

■ 32.6381, 27.4084,
34.6060

Harmonies

Analogous

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



13.3704, 17.2166, 9.3416



12.0154, 17.2166, 13.7562



11.7577, 17.2166, 20.9295

Triad

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



12.0154, 17.2166, 13.7562



17.1095, 17.2166, 37.5737



20.7788, 17.2166, 10.9994

Complementary

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



12.0154, 17.2166, 13.7562



12.9647, 9.4085, 12.6884

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.



22.0388, 17.2166, 16.7198



12.0154, 17.2166, 13.7562



19.7738, 17.2166, 32.9784

Square

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



12.0154, 17.2166, 13.7562



14.5136, 17.2166, 36.1405



21.6522, 17.2166, 24.8164



18.3651, 17.2166, 8.0806

Rectangle

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



12.0154, 17.2166, 13.7562



12.2128, 17.2166, 26.6459



21.6522, 17.2166, 24.8164



21.3627, 17.2166, 12.5856

Sweetspot

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



12.0159, 17.2173, 13.7566



30.6527, 35.3059, 35.6666



13.7486, 18.2374, 8.1058



7.0276, 8.1927, 8.1876



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.



12.0159, 17.2173, 13.7566



19.4165, 29.8144, 21.5414



13.6063, 17.8535, 22.1319



4.3559, 4.8507, 5.0452



8.5133, 15.6519, 7.0760



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9647, 9.4085, 12.6884



21.3395, 13.9794, 19.3704



11.8342, 8.9563, 6.7353



4.4133, 4.3785, 4.9808



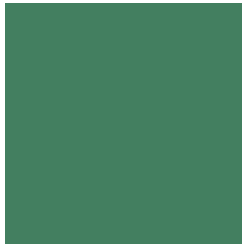
9.8068, 4.9424, 5.5722



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0154, 17.2166, 13.7562 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 12.0154, 17.2166, 13.7562 looks on a 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 12.0154, 17.2166, 13.7562

Background



This preview shows how black text looks on a background with the XYZ color 12.0154, 17.2166, 13.7562.



This preview shows how white text looks on a background with the XYZ color 12.0154, 17.2166,

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

12.0154, 17.2166, 13.7562

Protanopia

15.8888, 16.9104, 12.0995

Deuteranopia

17.2363, 16.8973, 14.4096



Tritanopia

14.1049, 17.1215, 24.3912

Trichromacy



Original Color

12.0154, 17.2166, 13.7562

Protanomaly

14.0081, 16.7911, 12.6279

Deuteranomaly

14.6819, 16.5798, 14.2308

Tritanomaly

13.2851, 17.1637, 20.0655

Monochromacy



Original Color

12.0154, 17.2166, 13.7562

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8292, 15.2692, 14.8415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0154, 17.2166, 13.7562 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(67, 127, 96)` looks like.

```
.text, #text, p{  
    color:rgb(67, 127, 96)  
}
```

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(67, 127, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 127, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.0154, 17.2166, 13.7562 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(67, 127, 96) }
```


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

```
.border{ border-color:rgb(67, 127, 96) }
```

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

Here you see how a box with a 4 pixel rgb(67, 127, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 127, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 127, 96);  
box-shadow:4px 4px 4px 4px rgb(67, 127,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0154, 17.2166, 13.7562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 127, 96) }
```

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

```
.background{ background-color: rgb(67, 127,  
96) }
```

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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