

Converting Colors

XYZ(12.0463, 17.0175, 24.6320)

Have a look what the booklet for
XYZ(12.0463, 17.0175, 24.6320)
contains.

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Color

**XYZ(12.0037, 16.9733,
24.4733)**

Conversions

Conversions Part 1

Format	Color
Hex	127F84
RGB	18, 127, 132
RGB Percent	7%, 50%, 52%
CMY	0.9294, 0.5020, 0.4823
CMYK	0.86, 0.04, 0.00, 0.48
HSL	183°, 76%, 29%
HSV	183°, 86%, 52%
XYZ	12.0037, 16.9733, 24.4733
YIQ	94.9790, -66.5690, -21.5530

Conversions

Conversions Part 2

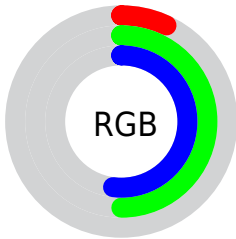
Format	Color
RYB	18, 74, 132
Decimal	1212292
CIELab	48.23, -25.98, -10.87
CIELCh	48, 28.160, 202.699
Yxy	16.9733, 0.2246, 0.3176
Android (android.graphics.Color)	4279402372 (0xFF127F84)
YUV	94.9790, 18.2514, -67.5106
Hunter-Lab	41.1987, -20.0897, -6.3811

Details

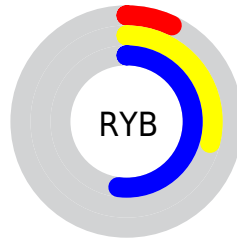
The XYZ color **12.0037, 16.9733, 24.4733** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.9318, 5.5626, 1.1230**, and the grayscale version is **10.8424, 11.4070, 12.4223**.

A 20% lighter version of the original color is **29.1027, 38.2200, 51.7423**, and **4.2152, 5.9323, 9.1065** is the 20% darker color. If you saturate the color by 10%, you get **11.7402, 16.7272, 24.4400**, and if you desaturate by 10%, it is **12.4010, 17.2898, 24.5138**.

Distribution



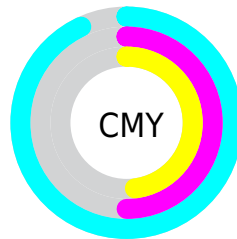
- Red (7%)
- Green (50%)
- Blue (52%)



- Red (7%)
- Yellow (29%)
- Blue (52%)



- Cyan (86%)
- Magenta (4%)
- Yellow (0%)
- Black (48%)



- Cyan (93%)
- Magenta (50%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0037, 16.9733, 24.4733 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 12.0037, 16.9733, 24.4733 by changing the saturation by 10% instead.

■ 12.0037, 16.9733,
24.4733

■ 12.0037, 16.9733,
24.4733

198.1992,
235.0185, 288.5679

■ 6.8184, 10.2155,
15.4696

■ 29.1186, 38.2799,
51.7549

■ 3.3941, 5.5420,
8.9994

■ 41.7790, 53.5974,
70.8700

■ 1.3654, 2.5687,
4.6440

■ 57.6618, 72.5369,
94.1926

■ 0.2314, 0.9109,
1.9849

■ 77.1323, 95.4828,
122.1413

■ 0.0000, 0.0000,
0.5459

■ 100.5560,
122.8195, 155.1347

■ 0.0000, 0.0000,
0.0000

■ 128.2981,

154.9315, 193.5912

160.7241,
192.2030, 237.9294

■ 12.0037, 16.9733,
24.4733

■ 12.0037, 16.9733,
24.4733

■ 11.7402, 16.7272,
24.4400

■ 12.4010, 17.2898,
24.5138

■ 11.6529, 16.6420,
24.4281

■ 12.9615, 17.6907,
24.5616

■ 13.7033, 18.1857,
24.6181

■ 14.6419, 18.7828,
24.6838

■ 15.7911, 19.4891,
24.7596

■ 17.1634, 20.3111,
24.8459

■ 18.7704, 21.2547,
24.9434

■ 20.6229, 22.3254,
25.0524

■ 22.7309, 23.5286,
25.1735

Harmonies

Analogous

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



11.7255, 16.9733, 16.7466



12.0037, 16.9733, 24.4733



13.3293, 16.9733, 32.1184

Triad

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



12.0037, 16.9733, 24.4733



20.3742, 16.9733, 28.4097



16.7664, 16.9733, 7.7269

Complementary

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



12.0037, 16.9733, 24.4733



9.9318, 5.5626, 1.1230

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.



19.3037, 16.9733, 9.3813



12.0037, 16.9733, 24.4733



21.5251, 16.9733, 20.3313

Square

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



12.0037, 16.9733, 24.4733



18.1080, 16.9733, 34.7787



21.1140, 16.9733, 13.5566



14.3064, 16.9733, 8.2867

Rectangle

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



12.0037, 16.9733, 24.4733



14.7124, 16.9733, 35.4755



21.1140, 16.9733, 13.5566



17.6414, 16.9733, 8.0234

Sweetspot

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



12.0042, 16.9739, 24.4737



30.1737, 35.7423, 43.7618



8.6441, 16.6887, 3.5152



6.8506, 8.2178, 10.1778



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.0042, 16.9739, 24.4737



20.4971, 29.2561, 43.0198



6.6810, 6.3275, 22.6993



4.7846, 5.2448, 5.9609



11.2838, 16.1154, 23.6526



0.0404, 0.0585, 0.0824

Inverse Universe

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



13.5633, 6.8710, 20.6907



23.4049, 11.2983, 35.7657



12.4072, 10.5134, 1.9482



4.8493, 4.7594, 5.8188



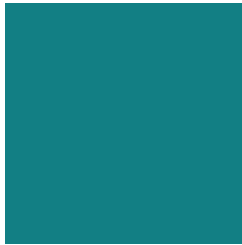
12.8737, 6.2138, 19.7048



0.0453, 0.0218, 0.0718

Previews

White Background



This preview shows how the XYZ color 12.0037, 16.9733, 24.4733 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 12.0037, 16.9733, 24.4733 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 12.0037, 16.9733, 24.4733

Background



This preview shows how black text looks on a background with the XYZ color 12.0037, 16.9733, 24.4733.



This preview shows how white text looks on a background with the XYZ color 12.0037, 16.9733,

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

12.0037, 16.9733, 24.4733

Protanopia

16.2903, 16.7510, 21.1136

Deuteranopia

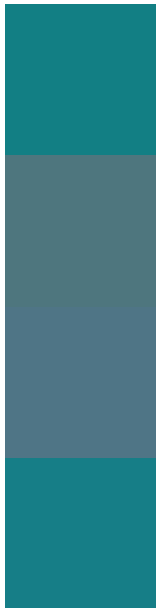
16.9970, 16.6956, 25.2484



Tritanopia

12.3529, 16.9220, 26.2821

Trichromacy



Original Color

12.0037, 16.9733, 24.4733

Protanomaly

13.3862, 16.0829, 22.1375

Deuteranomaly

13.8888, 16.1061, 24.9310

Tritanomaly

12.1649, 16.8416, 25.5313

Monochromacy



Original Color

12.0037, 16.9733, 24.4733

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2792, 12.7914, 16.1146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0037, 16.9733, 24.4733 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(18, 127, 132)` looks like.

```
.text, #text, p{  
  color:rgb(18, 127, 132)  
}
```

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(18, 127, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 127, 132) }
```

Border

The CSS property to change the border of an element to XYZ 12.0037, 16.9733, 24.4733 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(18, 127, 132) }
```


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

```
.border{ border-color:rgb(18, 127, 132) }
```

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

Here you see how a box with a 4 pixel rgb(18, 127, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 127, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 127, 132);  
box-shadow:4px 4px 4px 4px rgb(18, 127,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0037, 16.9733, 24.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 127, 132) }
```

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

```
.background{ background-color: rgb(18, 127,  
132) }
```

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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