

Converting Colors

XYZ(12.9252, 16.0480, 17.7462)

Have a look what the booklet for
XYZ(12.9252, 16.0480, 17.7462)
contains.

XYZ(13.0011, 16.1573, 17.7627)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0011, 16.1573,
17.7627)**

Conversions

Conversions Part 1

Format	Color
Hex	527770
RGB	82, 119, 112
RGB Percent	32%, 47%, 44%
CMY	0.6784, 0.5333, 0.5608
CMYK	0.31, 0.00, 0.06, 0.53
HSL	169°, 18%, 39%
HSV	169°, 31%, 47%
XYZ	13.0011, 16.1573, 17.7627
YIQ	107.1390, -19.8050, -10.0210

Conversions

Conversions Part 2

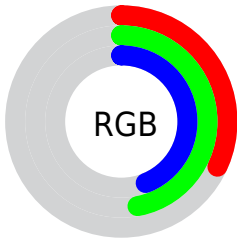
Format	Color
R_{YB}	82, 102, 119
Decimal	5404528
CIE _{Lab}	47.18, -14.71, -0.35
CIE _{LCh}	47, 14.710, 181.364
Yxy	16.1573, 0.2771, 0.3444
Android (android.graphics.Color)	4283594608 (0xFF527770)
YUV	107.1390, 2.3965, -22.0469
Hunter-Lab	40.1961, -12.6089, 1.9370

Details

The XYZ color **13.0011, 16.1573, 17.7627** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.4287, 10.6782, 10.8578**, and the grayscale version is **14.0115, 14.7412, 16.0532**.

A 20% lighter version of the original color is **30.9366, 36.7927, 40.5931**, and **3.8087, 5.1078, 5.6357** is the 20% darker color. If you saturate the color by 10%, you get **11.9310, 15.6204, 17.0666**, and if you desaturate by 10%, it is **14.2548, 16.7893, 18.4845**.

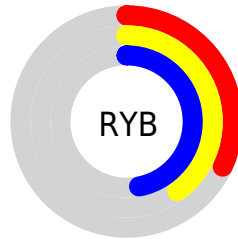
Distribution



Red (32%)

Green (47%)

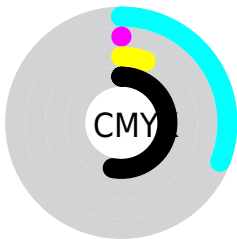
Blue (44%)



Red (32%)

Yellow (40%)

Blue (47%)

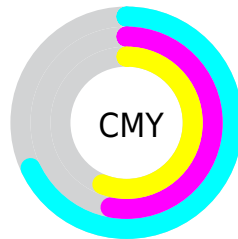


Cyan (31%)

Magenta (0%)

Yellow (6%)

Black (53%)



Cyan (68%)

Magenta (53%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0011, 16.1573, 17.7627 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 13.0011, 16.1573, 17.7627 by changing the saturation by 10% instead.

■ 13.0011, 16.1573,
17.7627

■ 13.0011, 16.1573,
17.7627

204.5622,
230.2681, 251.7211

■ 7.5063, 9.6355,
10.6121

■ 30.9071, 36.8711,
40.4410

■ 3.8298, 5.1580,
5.6958

■ 44.0489, 51.8319,
56.8058

■ 1.6063, 2.3403,
2.5952

■ 60.4706, 70.3744,
77.0790

■ 0.3965, 0.7949,
0.8900

■ 80.5373, 92.8832,
101.6793

■ 0.0000, 0.0000,
0.0000

■ 104.6144,
119.7426, 131.0251

133.0674,

151.3369, 165.5349

166.2615,
188.0506, 205.6274

■ 13.0011, 16.1573,
17.7627

■ 13.0011, 16.1573,
17.7627

■ 11.9310, 15.6204,
17.0666

■ 14.2548, 16.7893,
18.4845

■ 11.0338, 15.1718,
16.3945

■ 15.6992, 17.5189,
19.2313

■ 10.2999, 14.8070,
15.7461

■ 17.3430, 18.3510,
20.0041

■ 9.7179, 14.5203,
15.1209

■ 19.1938, 19.2893,
20.8033

■ 9.2755, 14.3050,
14.5181

■ 21.2587, 20.3376,
21.6293

■ 8.9577, 14.1538,
13.9369

■ 23.5445, 21.4995,
22.4827

■ 8.7308, 14.0477,
13.4351

■ 26.0579, 22.7783,
23.3637

■ 28.8051, 24.1773,
24.2728

■ 31.7921, 25.6995,
25.2104

Harmonies

Analogous

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



13.2748, 16.1573, 14.3932



13.0011, 16.1573, 17.7627



13.3286, 16.1573, 21.5688

Triad

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



13.0011, 16.1573, 17.7627



16.6890, 16.1573, 24.4069



16.5808, 16.1573, 12.0494

Complementary

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



13.0011, 16.1573, 17.7627



12.4287, 10.6782, 10.8578

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.



17.5815, 16.1573, 14.1378



13.0011, 16.1573, 17.7627



17.6464, 16.1573, 21.2340

Square

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



13.0011, 16.1573, 17.7627



15.4163, 16.1573, 25.7228



17.9816, 16.1573, 17.4235



15.2979, 16.1573, 11.3861

Rectangle

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



13.0011, 16.1573, 17.7627



13.8550, 16.1573, 23.7675



17.9816, 16.1573, 17.4235



16.9638, 16.1573, 12.5920

Sweetspot

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



13.0016, 16.1580, 17.7631



28.6330, 31.6339, 34.6910



12.2786, 15.9472, 10.4138



6.7049, 7.4561, 8.1821



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.



13.0016, 16.1580, 17.7631



21.9344, 28.2565, 30.9487



12.1619, 13.8303, 19.4820



3.7550, 4.1440, 4.5439



9.2724, 14.9229, 14.2563



44.8881, 72.6025, 67.9072

Inverse Universe

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



12.4287, 10.6782, 10.8578



20.7449, 16.8595, 16.5969



13.0544, 12.3779, 9.6840



3.7097, 3.7111, 3.9979



8.2391, 4.2293, 1.2012



39.9074, 20.5131, 4.5757

Previews

White Background



This preview shows how the XYZ color 13.0011, 16.1573, 17.7627 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 13.0011, 16.1573, 17.7627 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 13.0011, 16.1573, 17.7627

Background



This preview shows how black text looks on a background with the XYZ color 13.0011, 16.1573, 17.7627.



This preview shows how white text looks on a background with the XYZ color 13.0011, 16.1573,

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

13.0011, 16.1573, 17.7627

Protanopia

15.2777, 16.0078, 16.1945

Deuteranopia

16.2850, 16.0050, 18.1505



Tritanopia

13.8735, 16.1602, 22.1267

Trichromacy



Original Color

13.0011, 16.1573, 17.7627

Protanomaly

14.2571, 15.9635, 16.7978

Deuteranomaly

14.8382, 15.9064, 17.9110

Tritanomaly

13.5858, 16.2222, 20.5043

Monochromacy



Original Color

13.0011, 16.1573, 17.7627

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4818, 15.0697, 16.6662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0011, 16.1573, 17.7627 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(82, 119, 112)` looks like.

```
.text, #text, p{  
    color:rgb(82, 119, 112)  
}
```

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(82, 119, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 119, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.0011, 16.1573, 17.7627 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(82, 119, 112) }
```


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

```
.border{ border-color:rgb(82, 119, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 119, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 119, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 119, 112);  
box-shadow:4px 4px 4px 4px rgb(82, 119,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0011, 16.1573, 17.7627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 119, 112) }
```

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

```
.background{ background-color: rgb(82, 119,  
112) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor