

Converting Colors

XYZ(11.9565, 13.2717, 17.4011)

Have a look what the booklet for
XYZ(11.9565, 13.2717, 17.4011)
contains.

XYZ(12.0007, 13.3477, 17.2731)	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(12.0007, 13.3477,
17.2731)**

Conversions

Conversions Part 1

Format	Color
Hex	586970
RGB	88, 105, 112
RGB Percent	35%, 41%, 44%
CMY	0.6549, 0.5882, 0.5608
CMYK	0.21, 0.06, 0.00, 0.56
HSL	197°, 12%, 39%
HSV	197°, 21%, 44%
XYZ	12.0007, 13.3477, 17.2731
YIQ	100.7150, -12.3790, -1.4270

Conversions

Conversions Part 2

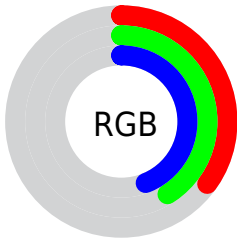
Format	Color
R_{YB}	88, 98, 112
Decimal	5794160
CIE _{Lab}	43.28, -4.69, -6.06
CIE _{LCh}	43, 7.661, 232.245
Yxy	13.3477, 0.2816, 0.3132
Android (android.graphics.Color)	4283984240 (0xFF586970)
YUV	100.7150, 5.5635, -11.1511
Hunter-Lab	36.5345, -5.3025, -2.4575

Details

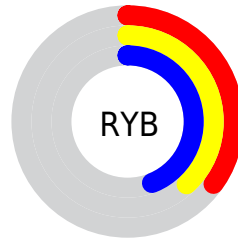
The XYZ color **12.0007, 13.3477, 17.2731** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5359, 12.3338, 10.9527**, and the grayscale version is **12.2849, 12.9247, 14.0750**.

A 20% lighter version of the original color is **29.0705, 31.8605, 39.7395**, and **3.3933, 3.8885, 5.4222** is the 20% darker color. If you saturate the color by 10%, you get **10.6947, 12.1904, 17.1188**, and if you desaturate by 10%, it is **13.4832, 14.6157, 17.4399**.

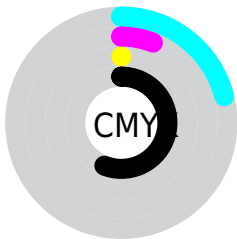
Distribution



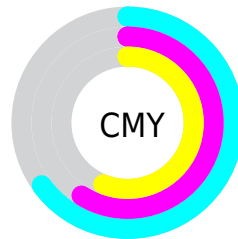
- Red (35%)
- Green (41%)
- Blue (44%)



- Red (35%)
- Yellow (38%)
- Blue (44%)



- Cyan (21%)
- Magenta (6%)
- Yellow (0%)
- Black (56%)



- Cyan (65%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0007, 13.3477, 17.2731 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 12.0007, 13.3477, 17.2731 by changing the saturation by 10% instead.

■ 12.0007, 13.3477,
17.2731

■ 12.0007, 13.3477,
17.2731

198.1797,
213.1342, 248.8383

■ 6.8164, 7.6684,
10.2654

■ 29.1132, 31.9270,
39.5918

■ 3.3928, 3.8835,
5.4674

■ 41.7721, 45.5959,
55.7399

■ 1.3647, 1.6086,
2.4605

■ 57.6532, 62.6967,
75.7718

■ 0.2309, 0.3634,
0.8191

■ 77.1220, 83.6139,
100.1061

■ 0.0000, 0.0000,
0.0000

■ 100.5436,
108.7318, 129.1614

128.2835,

138.4349, 163.3562

160.7071,
173.1076, 203.1090

■ 12.0007, 13.3477,
17.2731

■ 12.0007, 13.3477,
17.2731

■ 10.6947, 12.1904,
17.1188

■ 13.4832, 14.6157,
17.4399

■ 9.5565, 11.1379,
16.9756

■ 15.1481, 15.9965,
17.6187

■ 8.5782, 10.1865,
16.8435

■ 17.0024, 17.4944,
17.8101

■ 7.7512, 9.3314,
16.7221

■ 19.0525, 19.1128,
18.0144

■ 7.0655, 8.5672,
16.6107

■ 21.3044, 20.8550,
18.2320

■ 6.5103, 7.8882,
16.5089

■ 23.7639, 22.7242,
18.4632

■ 6.0727, 7.2875,
16.4160

■ 26.4364, 24.7234,
18.7082

■ 5.7453, 6.8110,
16.3413

■ 29.3274, 26.8556,
18.9674

■ 32.4419, 29.1235,
19.2410

Harmonies

Analogous

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



11.6595, 13.3477, 15.8059



12.0007, 13.3477, 17.2731



12.5332, 13.3477, 18.0177

Triad

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



12.0007, 13.3477, 17.2731



13.8511, 13.3477, 14.9788



12.2595, 13.3477, 11.7138

Complementary

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



12.0007, 13.3477, 17.2731



12.5359, 12.3338, 10.9527

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.



12.8412, 13.3477, 11.5300



12.0007, 13.3477, 17.2731



13.7723, 13.3477, 13.3311

Square

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



12.0007, 13.3477, 17.2731



13.6103, 13.3477, 16.6274



13.3981, 13.3477, 12.0998



11.8057, 13.3477, 12.6230

Rectangle

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



12.0007, 13.3477, 17.2731



12.9301, 13.3477, 17.9664



13.3981, 13.3477, 12.0998



12.4461, 13.3477, 11.5681

Sweetspot

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



12.0011, 13.3482, 17.2734



25.1872, 26.9292, 30.8001



11.8754, 14.4859, 12.9493



6.0185, 6.4426, 7.3961



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.0011, 13.3482, 17.2734



19.8395, 22.3572, 30.1995



10.8813, 11.1087, 16.9001



3.3968, 3.6589, 4.2814



6.6217, 7.8338, 18.8847



32.2154, 37.4828, 93.8161

Inverse Universe

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



12.7219, 11.4444, 14.9037



21.3811, 18.4144, 25.1025



13.6806, 14.6233, 11.3343



3.4750, 3.4377, 4.0278



9.3607, 4.6366, 8.9752



46.2408, 22.9417, 42.6619

Previews

White Background



This preview shows how the XYZ color 12.0007, 13.3477, 17.2731 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 12.0007, 13.3477, 17.2731 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

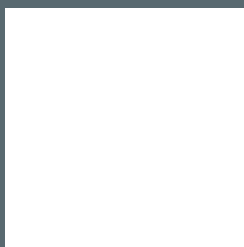
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0007, 13.3477, 17.2731

Background



This preview shows how black text looks on a background with the XYZ color 12.0007, 13.3477, 17.2731.



This preview shows how white text looks on a background with the XYZ color 12.0007, 13.3477,

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

12.0007, 13.3477, 17.2731

Protanopia

12.9476, 13.2579, 16.6285

Deuteranopia

13.5059, 13.2417, 17.4669



Tritanopia

12.0567, 13.3701, 17.5680

Trichromacy



Original Color

12.0007, 13.3477, 17.2731

Protanomaly

12.5504, 13.1918, 16.9237

Deuteranomaly

12.8898, 13.2089, 17.4930

Tritanomaly

12.0567, 13.3701, 17.5680

Monochromacy



Original Color

12.0007, 13.3477, 17.2731

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1250, 13.0095, 15.2366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0007, 13.3477, 17.2731 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(88, 105, 112) looks like.

```
.text, #text, p{  
    color:rgb(88, 105, 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(88, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 105, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.0007, 13.3477, 17.2731 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(88, 105, 112) }
```


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

```
.border{ border-color:rgb(88, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(88, 105,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0007, 13.3477, 17.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 105, 112) }
```

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

```
.background{ background-color: rgb(88, 105,  
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](#).

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