

Converting Colors

XYZ(15.3456, 17.9227, 30.4555)

Have a look what the booklet for
XYZ(15.3456, 17.9227, 30.4555)
contains.

XYZ(15.3758, 18.0177, 30.2711)	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(15.3758, 18.0177,
30.2711)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7C93
RGB	75, 124, 147
RGB Percent	29%, 49%, 58%
CMY	0.7059, 0.5137, 0.4235
CMYK	0.49, 0.16, 0.00, 0.42
HSL	199°, 32%, 44%
HSV	199°, 49%, 58%
XYZ	15.3758, 18.0177, 30.2711
YIQ	111.9710, -36.5870, -3.2350

Conversions

Conversions Part 2

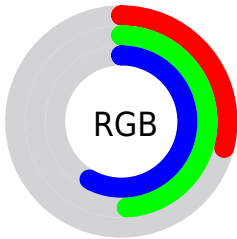
Format	Color
R_{YB}	75, 104, 147
Decimal	4947091
CIE _{Lab}	49.52, -9.96, -17.57
CIE _{LCh}	50, 20.200, 240.444
Yxy	18.0177, 0.2415, 0.2830
Android (android.graphics.Color)	4283137171 (0xFF4B7C93)
YUV	111.9710, 17.2693, -32.4236
Hunter-Lab	42.4473, -9.6241, -12.5694

Details

The XYZ color **15.3758, 18.0177, 30.2711** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **17.6709, 15.4472, 8.7076**, and the grayscale version is **15.3518, 16.1513, 17.5887**.

A 20% lighter version of the original color is **35.1668, 40.2505, 61.1740**, and **4.8769, 6.0053, 11.9684** is the 20% darker color. If you saturate the color by 10%, you get **13.7817, 16.3433, 30.0323**, and if you desaturate by 10%, it is **17.2648, 19.8864, 30.5326**.

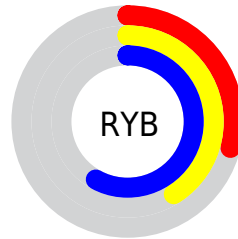
Distribution



Red (29%)

Green (49%)

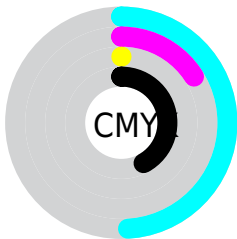
Blue (58%)



Red (29%)

Yellow (41%)

Blue (58%)

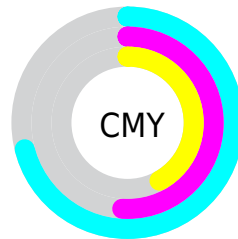


Cyan (49%)

Magenta (16%)

Yellow (0%)

Black (42%)



Cyan (71%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3758, 18.0177, 30.2711 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 15.3758, 18.0177, 30.2711 by changing the saturation by 10% instead.

■ 15.3758, 18.0177,
30.2711

■ 15.3758, 18.0177,
30.2711

218.9733,
240.9708, 317.4126

■ 9.1716, 10.9627,
19.7907

■ 35.0774, 40.0675,
61.1567

■ 4.9113, 6.0418,
12.0604

■ 49.3055, 55.8311,
82.3990

■ 2.2295, 2.8705,
6.6618

■ 66.9389, 75.2663,
108.0655

■ 0.7582, 1.0645,
3.1763

■ 88.3429, 98.7575,
138.5750

■ 0.0000, 0.0000,
1.1853

■ 113.8831,
126.6892, 174.3459

■ 0.0000, 0.0000,
0.0000

143.9246,

159.4457, 215.7968

178.8329,
197.4114, 263.3462

■ 15.3758, 18.0177,
30.2711

■ 15.3758, 18.0177,
30.2711

■ 13.7817, 16.3433,
30.0323

■ 17.2648, 19.8864,
30.5326

■ 12.4618, 14.8510,
29.8138

■ 19.4640, 21.9569,
30.8163

■ 11.3954, 13.5298,
29.6150

■ 21.9899, 24.2386,
31.1236

■ 10.5575, 12.3662,
29.4345

■ 24.8572, 26.7394,
31.4552

■ 9.8928, 11.3312,
29.2698

■ 28.0795, 29.4671,
31.8118

■ 9.8277, 11.2290,
29.2535

■ 31.6697, 32.4288,
32.1943

■ 35.6403, 35.6313,
32.6031

■ 40.0027, 39.0812,
33.0391

■ 44.7683, 42.7848,
33.5028

Harmonies

Analogous

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



14.1485, 18.0177, 25.4487



15.3758, 18.0177, 30.2711



17.1538, 18.0177, 32.1364

Triad

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



15.3758, 18.0177, 30.2711



21.0691, 18.0177, 19.5367



15.3299, 18.0177, 11.8718

Complementary

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



15.3758, 18.0177, 30.2711



17.6709, 15.4472, 8.7076

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.



17.0968, 18.0177, 10.8638



15.3758, 18.0177, 30.2711



20.4928, 18.0177, 14.7541

Square

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



15.3758, 18.0177, 30.2711



20.5250, 18.0177, 25.2810



19.0027, 18.0177, 11.8135



14.1234, 18.0177, 14.8713

Rectangle

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



15.3758, 18.0177, 30.2711



18.4412, 18.0177, 31.2244



19.0027, 18.0177, 11.8135



15.8735, 18.0177, 11.3168

Sweetspot

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



15.3764, 18.0184, 30.2715



41.1919, 45.0041, 55.9502



15.5311, 23.2418, 15.1742



9.1849, 10.0816, 12.7467



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.3764, 18.0184, 30.2715



24.3627, 28.9206, 53.7328



11.6750, 10.6156, 29.0377



5.8095, 6.2530, 7.3705



8.5429, 9.7806, 25.3686



0.1312, 0.1730, 0.3194

Inverse Universe

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



18.1873, 12.6911, 20.5604



30.2362, 18.9898, 33.1722



21.8006, 23.7065, 10.0842



5.9573, 5.8780, 6.8812



12.4391, 6.1807, 11.0595



0.1657, 0.0810, 0.2062

Previews

White Background



This preview shows how the XYZ color 15.3758, 18.0177, 30.2711 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 15.3758, 18.0177, 30.2711 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 15.3758, 18.0177, 30.2711

Background



This preview shows how black text looks on a background with the XYZ color 15.3758, 18.0177, 30.2711.



This preview shows how white text looks on a background with the XYZ color 15.3758, 18.0177,

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

15.3758, 18.0177, 30.2711

Protanopia

17.8100, 17.8885, 28.1053

Deuteranopia

18.2376, 17.8761, 30.9230



Tritanopia

14.5033, 18.0389, 26.0100

Trichromacy



Original Color

15.3758, 18.0177, 30.2711

Protanomaly

16.7765, 17.8599, 28.9487

Deuteranomaly

16.9693, 17.7476, 30.5482

Tritanomaly

14.7397, 17.9384, 27.4965

Monochromacy



Original Color

15.3758, 18.0177, 30.2711

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.0927, 16.6241, 21.8153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3758, 18.0177, 30.2711 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(75, 124, 147)` looks like.

```
.text, #text, p{  
    color:rgb(75, 124, 147)  
}
```

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(75, 124, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 124, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.3758, 18.0177, 30.2711 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(75, 124, 147) }
```


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

```
.border{ border-color:rgb(75, 124, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 124, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 124, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 124, 147);  
box-shadow:4px 4px 4px 4px rgb(75, 124,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3758, 18.0177, 30.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 124, 147) }
```

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

```
.background{ background-color: rgb(75, 124,  
147) }
```

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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