

Converting Colors

XYZ(15.2079, 17.8604, 30.7957)

Have a look what the booklet for
XYZ(15.2079, 17.8604, 30.7957)
contains.

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Color

**XYZ(15.2254, 17.9311,
30.6756)**

Conversions

Conversions Part 1

Format	Color
Hex	487C94
RGB	72, 124, 148
RGB Percent	28%, 49%, 58%
CMY	0.7176, 0.5137, 0.4196
CMYK	0.51, 0.16, 0.00, 0.42
HSL	199°, 35%, 43%
HSV	199°, 51%, 58%
XYZ	15.2254, 17.9311, 30.6756
YIQ	111.1880, -38.6960, -3.5600

Conversions

Conversions Part 2

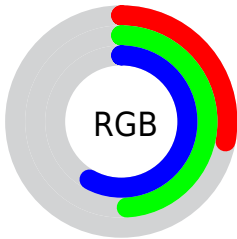
Format	Color
R _Y B	72, 103, 148
Decimal	4750484
CIE Lab	49.41, -10.40, -18.33
CIE LCh	49, 21.077, 240.428
Yxy	17.9311, 0.2385, 0.2809
Android (android.graphics.Color)	4282940564 (0xFF487C94)
YUV	111.1880, 18.1483, -34.3679
Hunter-Lab	42.3451, -9.9234, -13.3092

Details

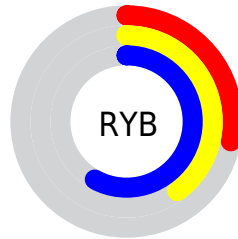
The XYZ color **15.2254, 17.9311, 30.6756** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **17.5658, 15.1300, 8.1260**, and the grayscale version is **15.1215, 15.9090, 17.3249**.

A 20% lighter version of the original color is **34.8403, 40.0685, 61.7748**, and **4.8118, 5.9664, 12.2073** is the 20% darker color. If you saturate the color by 10%, you get **13.6803, 16.2859, 30.4398**, and if you desaturate by 10%, it is **17.0651, 19.7701, 30.9339**.

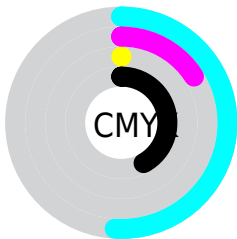
Distribution



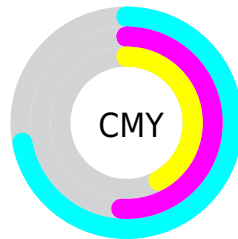
- Red (28%)
- Green (49%)
- Blue (58%)



- Red (28%)
- Yellow (40%)
- Blue (58%)



- Cyan (51%)
- Magenta (16%)
- Yellow (0%)
- Black (42%)



- Cyan (72%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2254, 17.9311, 30.6756 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 15.2254, 17.9311, 30.6756 by changing the saturation by 10% instead.

■ 15.2254, 17.9311,
30.6756

■ 15.2254, 17.9311,
30.6756

218.0879,
240.4824, 319.3458

■ 9.0651, 10.9005,
20.0956

■ 34.8165, 39.9199,
61.8026

■ 4.8411, 6.0000,
12.2798

■ 48.9781, 55.6469,
83.1865

■ 2.1881, 2.8451,
6.8097

■ 66.5373, 75.0415,
109.0089

■ 0.7365, 1.0514,
3.2667

■ 87.8598, 98.4881,
139.6883

■ 0.0000, 0.0000,
1.2324

■ 113.3107,
126.3711, 175.6431

■ 0.0000, 0.0000,
0.0054

143.2554,

■ 0.0000, 0.0000,

159.0749, 217.2919

0.0000

178.0594,
196.9839, 265.0533

■ 15.2254, 17.9311,
30.6756

■ 15.2254, 17.9311,
30.6756

■ 13.6803, 16.2859,
30.4398

■ 17.0651, 19.7701,
30.9339

■ 12.4082, 14.8218,
30.2243

■ 19.2154, 21.8106,
31.2145

■ 11.3873, 13.5272,
30.0282

■ 21.6933, 24.0624,
31.5185

■ 10.5914, 12.3881,
29.8503

■ 24.5139, 26.5336,
31.8468

■ 10.0248, 11.4969,
29.7081

■ 27.6914, 29.2322,
32.2002

■ 31.2391, 32.1655,
32.5794

■ 35.1696, 35.3406,
32.9851

■ 39.4949, 38.7640,
33.4179

■ 44.2265, 42.4423,
33.8785

Harmonies

Analogous

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



13.9551, 17.9311, 25.6090



15.2254, 17.9311, 30.6756



17.0715, 17.9311, 32.6430

Triad

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



15.2254, 17.9311, 30.6756



21.1578, 17.9311, 19.4423



15.1796, 17.9311, 11.5246

Complementary

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



15.2254, 17.9311, 30.6756



17.5658, 15.1300, 8.1260

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.



17.0145, 17.9311, 10.4961



15.2254, 17.9311, 30.6756



20.5557, 17.9311, 14.4883

Square

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



15.2254, 17.9311, 30.6756



20.5880, 17.9311, 25.4398



18.9997, 17.9311, 11.4672



13.9302, 17.9311, 14.6046

Rectangle

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



15.2254, 17.9311, 30.6756



18.4121, 17.9311, 31.6833



18.9997, 17.9311, 11.4672



15.7435, 17.9311, 10.9576

Sweetspot

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



15.2260, 17.9318, 30.6760



41.2134, 45.0472, 55.9574



15.3194, 23.3806, 14.4849



9.1904, 10.0926, 12.7485



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.



15.2260, 17.9318, 30.6760



23.6782, 28.2236, 53.6343



11.4427, 10.3652, 29.4149



5.8112, 6.2564, 7.3711



8.5877, 9.8703, 25.3836



0.1316, 0.1739, 0.3195

Inverse Universe

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



18.1687, 12.3864, 20.5026



29.7266, 18.1579, 32.4252



21.7431, 23.4846, 9.5184



5.9582, 5.8783, 6.8858



12.4618, 6.1898, 11.1786



0.1659, 0.0811, 0.2073

Previews

White Background



This preview shows how the XYZ color 15.2254, 17.9311, 30.6756 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 15.2254, 17.9311, 30.6756 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 15.2254, 17.9311, 30.6756

Background



This preview shows how black text looks on a background with the XYZ color 15.2254, 17.9311, 30.6756.



This preview shows how white text looks on a background with the XYZ color 15.2254, 17.9311,

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

15.2254, 17.9311, 30.6756

Protanopia

17.6834, 17.8233, 28.0994

Deuteranopia

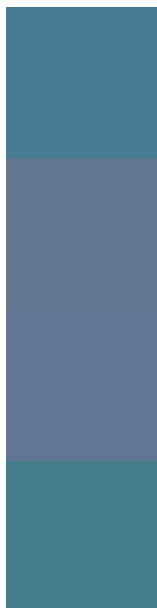
18.1913, 17.8430, 31.3394



Tritanopia

14.2887, 17.9282, 26.0000

Trichromacy



Original Color

15.2254, 17.9311, 30.6756

Protanomaly

16.5606, 17.7487, 28.9386

Deuteranomaly

16.8330, 17.6682, 30.9569

Tritanomaly

14.5215, 17.8259, 27.4863

Monochromacy



Original Color

15.2254, 17.9311, 30.6756

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.8132, 16.4874, 21.4704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2254, 17.9311, 30.6756 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(72, 124, 148)` looks like.

```
.text, #text, p{  
    color:rgb(72, 124, 148)  
}
```

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(72, 124, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 124, 148) }
```

Border

The CSS property to change the border of an element to XYZ 15.2254, 17.9311, 30.6756 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(72, 124, 148) }
```


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

```
.border{ border-color:rgb(72, 124, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 124, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 124, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 124, 148);  
box-shadow:4px 4px 4px 4px rgb(72, 124,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2254, 17.9311, 30.6756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 124, 148) }
```

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

```
.background{ background-color: rgb(72, 124,  
148) }
```

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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