

Converting Colors

XYZ(11.7690, 13.8382, 19.2542)

Have a look what the booklet for
XYZ(11.7690, 13.8382, 19.2542)
contains.

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Color

**XYZ(11.7191, 13.7818,
19.1820)**

Conversions

Conversions Part 1

Format	Color
Hex	4C6D76
RGB	76, 109, 118
RGB Percent	30%, 43%, 46%
CMY	0.7020, 0.5725, 0.5373
CMYK	0.36, 0.08, 0.00, 0.54
HSL	193°, 22%, 38%
HSV	193°, 36%, 46%
XYZ	11.7191, 13.7818, 19.1820
YIQ	100.1590, -22.5570, -4.1970

Conversions

Conversions Part 2

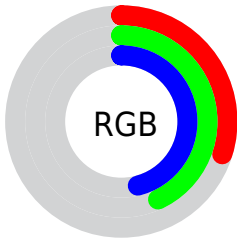
Format	Color
R_{YB}	76, 94, 118
Decimal	5008758
CIE _{Lab}	43.92, -9.41, -8.81
CIE _{LCh}	44, 12.890, 223.119
Yxy	13.7818, 0.2623, 0.3084
Android (android.graphics.Color)	4283198838 (0xFF4C6D76)
YUV	100.1590, 8.7956, -21.1874
Hunter-Lab	37.1238, -8.6186, -4.6486

Details

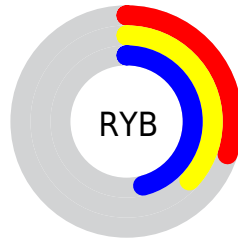
The XYZ color **11.7191, 13.7818, 19.1820** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0243, 10.8703, 8.3021**, and the grayscale version is **12.1364, 12.7684, 13.9048**.

A 20% lighter version of the original color is **28.7530, 32.9040, 42.8659**, and **3.2531, 4.0266, 6.4001** is the 20% darker color. If you saturate the color by 10%, you get **10.6005, 12.8108, 19.0538**, and if you desaturate by 10%, it is **13.0183, 14.8580, 19.3215**.

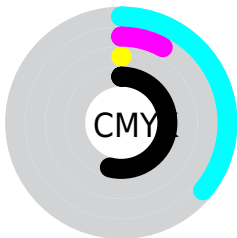
Distribution



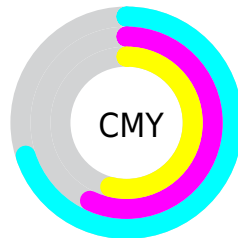
- Red (30%)
- Green (43%)
- Blue (46%)



- Red (30%)
- Yellow (37%)
- Blue (46%)



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)
- Black (54%)



- Cyan (70%)
- Magenta (57%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7191, 13.7818, 19.1820 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 11.7191, 13.7818, 19.1820 by changing the saturation by 10% instead.

■ 11.7191, 13.7818,
19.1820

■ 11.7191, 13.7818,
19.1820

196.3448,
215.8691, 259.9078

■ 6.6235, 7.9691,
11.6237

■ 28.6038, 32.7014,
42.8822

■ 3.2720, 4.0752,
6.3686

■ 41.1236, 46.5770,
59.8612

■ 1.2992, 1.7157,
2.9981

■ 56.8489, 63.9090,
80.8175

■ 0.1826, 0.4338,
1.0937

■ 76.1450, 85.0818,
106.1697

■ 0.0000, 0.0000,
0.0000

■ 99.3773, 110.4799,
136.3363

126.9111,

140.4875, 171.7358

159.1119,
175.4891, 212.7868

■ 11.7191, 13.7818,
19.1820

■ 11.7191, 13.7818,
19.1820

■ 10.6005, 12.8108,
19.0538

■ 13.0183, 14.8580,
19.3215

■ 9.6518, 11.9385,
18.9354

■ 14.5055, 16.0425,
19.4717

■ 8.8630, 11.1600,
18.8267

■ 16.1894, 17.3401,
19.6334

■ 8.2225, 10.4692,
18.7271

■ 18.0778, 18.7549,
19.8070

■ 7.7172, 9.8591,
18.6360

■ 20.1777, 20.2906,
19.9927

■ 7.3231, 9.3174,
18.5522

■ 22.4962, 21.9510,
20.1910

■ 7.1598, 9.0875,
18.5165

■ 25.0398, 23.7395,
20.4022

■ 27.8148, 25.6594,
20.6265

■ 30.8273, 27.7140,
20.8643

Harmonies

Analogous

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



11.2804, 13.7818, 16.3173



11.7191, 13.7818, 19.1820



12.5379, 13.7818, 21.0482

Triad

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



11.7191, 13.7818, 19.1820



15.0670, 13.7818, 16.6969



12.6591, 13.7818, 10.1735

Complementary

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



11.7191, 13.7818, 19.1820



12.0243, 10.8703, 8.3021

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.



13.6770, 13.7818, 10.2473



11.7191, 13.7818, 19.1820



15.1036, 13.7818, 13.7669

Square

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



11.7191, 13.7818, 19.1820



14.4860, 13.7818, 19.4908



14.5836, 13.7818, 11.4849



11.8038, 13.7818, 11.2681

Rectangle

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



11.7191, 13.7818, 19.1820



13.2062, 13.7818, 21.3424



14.5836, 13.7818, 11.4849



12.9928, 13.7818, 10.0672

Sweetspot

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



11.7195, 13.7823, 19.1823



26.7407, 29.1682, 34.3576



11.0751, 15.1400, 10.8087



6.0798, 6.6534, 7.8928



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.7195, 13.7823, 19.1823



18.9187, 22.7739, 33.5357



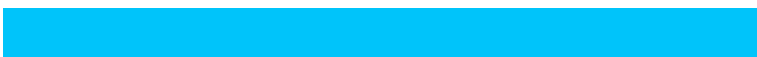
9.7899, 9.9231, 18.5391



3.7199, 4.0285, 4.6718



7.7367, 9.8130, 20.0289



37.0608, 46.5381, 97.3897

Inverse Universe

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



12.8163, 10.1248, 15.7475



21.2153, 15.4840, 26.2601



13.8683, 14.5584, 8.9168



3.7947, 3.7451, 4.4454



10.2022, 5.0146, 11.5391



49.3933, 24.3074, 54.5279

Previews

White Background



This preview shows how the XYZ color 11.7191, 13.7818, 19.1820 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 11.7191, 13.7818, 19.1820 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

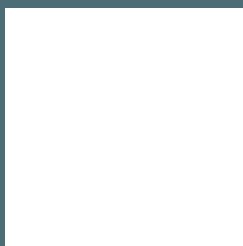
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7191, 13.7818, 19.1820

Background



This preview shows how black text looks on a background with the XYZ color 11.7191, 13.7818, 19.1820.



This preview shows how white text looks on a background with the XYZ color 11.7191, 13.7818,

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

11.7191, 13.7818, 19.1820

Protanopia

13.3670, 13.7402, 17.8672

Deuteranopia

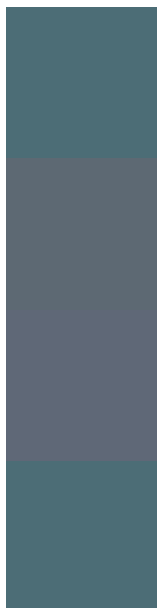
13.9877, 13.7276, 19.6818



Tritanopia

11.7191, 13.7818, 19.1820

Trichromacy



Original Color

11.7191, 13.7818, 19.1820

Protanomaly

12.6603, 13.6681, 18.1906

Deuteranomaly

12.9994, 13.6654, 19.4053

Tritanomaly

11.7191, 13.7818, 19.1820

Monochromacy



Original Color

11.7191, 13.7818, 19.1820

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8185, 12.9862, 15.7936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7191, 13.7818, 19.1820 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(76, 109, 118)` looks like.

```
.text, #text, p{  
    color:rgb(76, 109, 118)  
}
```

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(76, 109, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 109, 118) }
```

Border

The CSS property to change the border of an element to XYZ 11.7191, 13.7818, 19.1820 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(76, 109, 118) }
```


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

```
.border{ border-color:rgb(76, 109, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 109, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 109, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 109, 118);  
box-shadow:4px 4px 4px 4px rgb(76, 109,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7191, 13.7818, 19.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 109, 118) }
```

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

```
.background{ background-color: rgb(76, 109,  
118) }
```

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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