

Converting Colors

XYZ(11.8504, 13.7123, 18.2418)

Have a look what the booklet for
XYZ(11.8504, 13.7123, 18.2418)
contains.

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Color

**XYZ(11.8504, 13.7123,
18.2418)**

Conversions

Conversions Part 1

Format	Color
Hex	516C73
RGB	81, 108, 115
RGB Percent	32%, 42%, 45%
CMY	0.6823, 0.5765, 0.5490
CMYK	0.30, 0.06, 0.00, 0.55
HSL	192°, 17%, 38%
HSV	192°, 30%, 45%
XYZ	11.8504, 13.7123, 18.2418
YIQ	100.7250, -18.3390, -3.5470

Conversions

Conversions Part 2

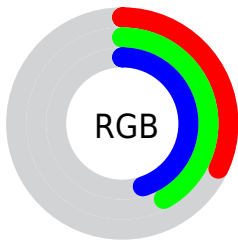
Format	Color
RYB	81, 96, 115
Decimal	5336179
CIELab	43.82, -8.05, -7.12
CIElCh	44, 10.746, 221.506
Yxy	13.7123, 0.2705, 0.3130
Android (android.graphics.Color)	4283526259 (0xFF516C73)
YUV	100.7250, 7.0376, -17.2988
Hunter-Lab	37.0301, -7.6790, -3.2864

Details

The XYZ color **11.8504, 13.7123, 18.2418** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0452, 11.2183, 9.3153**, and the grayscale version is **12.2850, 12.9247, 14.0750**.

A 20% lighter version of the original color is **28.7333, 32.4116, 41.3009**, and **3.3415, 4.0828, 5.9221** is the 20% darker color. If you saturate the color by 10%, you get **10.7010, 12.7545, 18.1177**, and if you desaturate by 10%, it is **13.1743, 14.7708, 18.3766**.

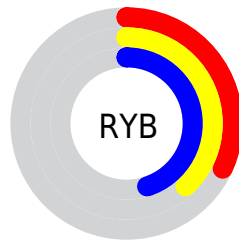
Distribution



Red (32%)

Green (42%)

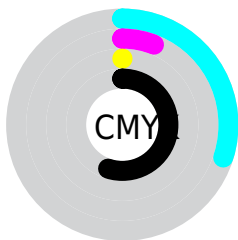
Blue (45%)



Red (32%)

Yellow (38%)

Blue (45%)

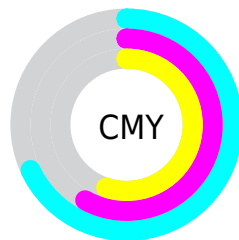


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (55%)



Cyan (68%)

Magenta (58%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8504, 13.7123, 18.2418 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 11.8504, 13.7123, 18.2418 by changing the saturation by 10% instead.

■ 11.8504, 13.7123,
18.2418

■ 11.8504, 13.7123,
18.2418

197.2026,
215.4336, 254.5122

■ 6.7134, 7.9208,
10.9525

■ 28.8416, 32.5777,
41.2684

■ 3.3282, 4.0443,
5.9211

■ 41.4264, 46.4204,
57.8428

■ 1.3296, 1.6984,
2.7292

■ 57.2246, 63.7156,
78.3493

■ 0.2052, 0.4226,
0.9581

■ 76.6014, 84.8478,
103.2064

■ 0.0000, 0.0000,
0.0000

■ 99.9223, 110.2013,
132.8327

127.5525,

140.1605, 167.6467

159.8575,
175.1098, 208.0671

■ 11.8504, 13.7123,
18.2418

■ 11.8504, 13.7123,
18.2418

■ 10.7010, 12.7545,
18.1177

■ 13.1743, 14.7708,
18.3766

■ 9.7165, 11.8914,
18.0030

■ 14.6794, 15.9325,
18.5215

■ 8.8881, 11.1186,
17.8975

■ 16.3735, 17.2019,
18.6772

■ 8.2055, 10.4308,
17.8007

■ 18.2634, 18.5825,
18.8441

■ 7.6576, 9.8222,
17.7122

■ 20.3559, 20.0780,
19.0224

■ 7.2311, 9.2859,
17.6311

■ 22.6572, 21.6915,
19.2126

■ 6.8790, 8.7974,
17.5554

■ 25.1734, 23.4262,
19.4148

■ 6.8639, 8.7765,
17.5521

■ 27.9100, 25.2853,
19.6294

■ 30.8728, 27.2716,
19.8566

Harmonies

Analogous

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



11.5006, 13.7123, 15.8808



11.8504, 13.7123, 18.2418



12.5230, 13.7123, 19.8083

Triad

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



11.8504, 13.7123, 18.2418



14.6405, 13.7123, 16.4603



12.7108, 13.7123, 10.8080

Complementary

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



11.8504, 13.7123, 18.2418



12.0452, 11.2183, 9.3153

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.



13.5569, 13.7123, 10.9272



11.8504, 13.7123, 18.2418



14.6961, 13.7123, 14.0186

Square

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



11.8504, 13.7123, 18.2418



14.1432, 13.7123, 18.7054



14.2920, 13.7123, 12.0461



11.9827, 13.7123, 11.7008

Rectangle

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



11.8504, 13.7123, 18.2418



13.0760, 13.7123, 20.0988



14.2920, 13.7123, 12.0461



12.9903, 13.7123, 10.7339

Sweetspot

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



11.8508, 13.7129, 18.2421



26.3801, 28.6015, 33.1748



11.2775, 14.7123, 11.4347



6.2122, 6.7615, 7.9067



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.



11.8508, 13.7129, 18.2421



19.8774, 23.4445, 32.5221



10.2463, 10.5038, 17.7073



3.7224, 4.0334, 4.6726



7.8315, 10.0026, 20.0605



37.5396, 47.4958, 97.5493

Inverse Universe

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



12.7197, 10.6127, 15.5661



21.7140, 17.1054, 26.8182



13.5869, 14.3016, 9.8292



3.7959, 3.7456, 4.4520



10.2501, 5.0338, 11.7911



49.6350, 24.4041, 55.8006

Previews

White Background



This preview shows how the XYZ color 11.8504, 13.7123, 18.2418 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 11.8504, 13.7123, 18.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

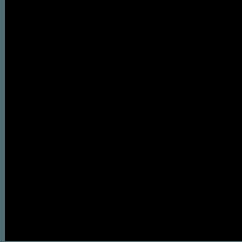
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

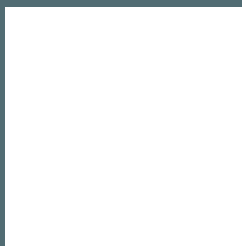
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8504, 13.7123, 18.2418

Background



This preview shows how black text looks on a background with the XYZ color 11.8504, 13.7123, 18.2418.



This preview shows how white text looks on a background with the XYZ color 11.8504, 13.7123,

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

11.8504, 13.7123, 18.2418

Protanopia

13.3684, 13.7539, 17.2794

Deuteranopia

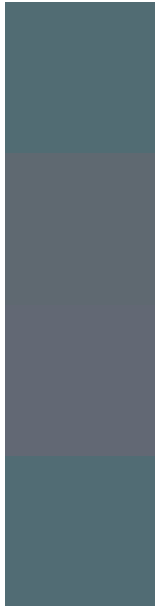
13.9280, 13.7175, 18.7433



Tritanopia

11.9083, 13.7354, 18.5466

Trichromacy



Original Color

11.8504, 13.7123, 18.2418

Protanomaly

12.7515, 13.7283, 17.6005

Deuteranomaly

13.1397, 13.7583, 18.4861

Tritanomaly

11.9083, 13.7354, 18.5466

Monochromacy



Original Color

11.8504, 13.7123, 18.2418

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1679, 13.3209, 15.5655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8504, 13.7123, 18.2418 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(81, 108, 115)` looks like.

```
.text, #text, p{  
    color:rgb(81, 108, 115)  
}
```

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(81, 108, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 108, 115) }
```

Border

The CSS property to change the border of an element to XYZ 11.8504, 13.7123, 18.2418 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(81, 108, 115) }
```


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

```
.border{ border-color:rgb(81, 108, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 108, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 108, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 108, 115);  
box-shadow:4px 4px 4px 4px rgb(81, 108,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8504, 13.7123, 18.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 108, 115) }
```

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

```
.background{ background-color: rgb(81, 108,  
115) }
```

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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