

Converting Colors

XYZ(11.9060, 15.1039, 19.2101)

Have a look what the booklet for
XYZ(11.9060, 15.1039, 19.2101)
contains.

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Color

**XYZ(11.8402, 15.0041,
19.1017)**

Conversions

Conversions Part 1

Format	Color
Hex	447475
RGB	68, 116, 117
RGB Percent	27%, 45%, 46%
CMY	0.7333, 0.5451, 0.5412
CMYK	0.42, 0.01, 0.00, 0.54
HSL	181°, 26%, 36%
HSV	181°, 42%, 46%
XYZ	11.8402, 15.0041, 19.1017
YIQ	101.7620, -28.9290, -9.8650

Conversions

Conversions Part 2

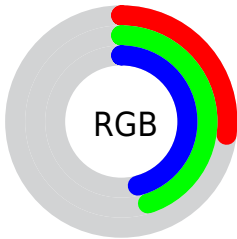
Format	Color
RYB	68, 92, 117
Decimal	4486261
CIELab	45.64, -15.97, -5.69
CIELCh	46, 16.956, 199.592
Yxy	15.0041, 0.2577, 0.3266
Android (android.graphics.Color)	4282676341 (0xFF447475)
YUV	101.7620, 7.5123, -29.6093
Hunter-Lab	38.7351, -13.2242, -2.1235

Details

The XYZ color **11.8402, 15.0041, 19.1017** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5079, 8.4557, 6.5475**, and the grayscale version is **12.5541, 13.2078, 14.3833**.

A 20% lighter version of the original color is **28.7718, 34.7918, 42.7352**, and **3.3550, 4.6741, 6.3556** is the 20% darker color. If you saturate the color by 10%, you get **11.0770, 14.5702, 19.0584**, and if you desaturate by 10%, it is **12.7673, 15.5233, 19.1533**.

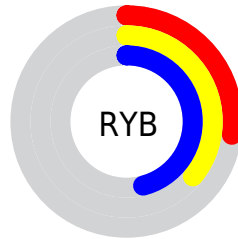
Distribution



Red (27%)

Green (45%)

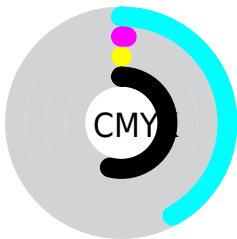
Blue (46%)



Red (27%)

Yellow (36%)

Blue (46%)

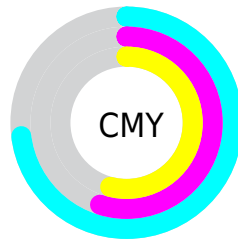


Cyan (42%)

Magenta (1%)

Yellow (0%)

Black (54%)



Cyan (73%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8402, 15.0041, 19.1017 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 11.8402, 15.0041, 19.1017 by changing the saturation by 10% instead.

■ 11.8402, 15.0041,
19.1017

■ 11.8402, 15.0041,
19.1017

197.1361,
223.3910, 259.4510

■ 6.7064, 8.8223,
11.5662

■ 28.8231, 34.8604,
42.7449

■ 3.3238, 4.6254,
6.3301

■ 41.4029, 49.3036,
59.6896

■ 1.3272, 2.0292,
2.9748

■ 57.1954, 67.2694,
80.6079

■ 0.2035, 0.6244,
1.0818

■ 76.5660, 89.1422,
105.9183

■ 0.0000, 0.0000,
0.0000

■ 99.8800, 115.3064,
136.0392

127.5028,

146.1463, 171.3893

159.7997,
182.0464, 212.3871

■ 11.8402, 15.0041,
19.1017

■ 11.8402, 15.0041,
19.1017

■ 11.0770, 14.5702,
19.0584

■ 12.7673, 15.5233,
19.1533

■ 10.4665, 14.2149,
19.0220

■ 13.8659, 16.1306,
19.2126

■ 9.9985, 13.9331,
18.9923

■ 15.1447, 16.8309,
19.2804

■ 9.6607, 13.7185,
18.9687

■ 16.6114, 17.6282,
19.3570

■ 9.4389, 13.5638,
18.9505

■ 18.2735, 18.5263,
19.4427

■ 9.2980, 13.4584,
18.9376

■ 20.1377, 19.5287,
19.5380

■ 22.2106, 20.6389,
19.6430

■ 24.4986, 21.8600,
19.7581

■ 27.0076, 23.1951,
19.8836

Harmonies

Analogous

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



11.7405, 15.0041, 14.9645



11.8402, 15.0041, 19.1017



12.5632, 15.0041, 23.0437

Triad

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



11.8402, 15.0041, 19.1017



16.4426, 15.0041, 21.9481



14.7599, 15.0041, 9.7897

Complementary

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



11.8402, 15.0041, 19.1017



10.5079, 8.4557, 6.5475

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.



16.1051, 15.0041, 11.0768



11.8402, 15.0041, 19.1017



17.1185, 15.0041, 17.7907

Square

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



11.8402, 15.0041, 19.1017



15.1962, 15.0041, 24.8666



16.9910, 15.0041, 13.8527



13.3649, 15.0041, 10.0219

Rectangle

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



11.8402, 15.0041, 19.1017



13.3299, 15.0041, 24.8162



16.9910, 15.0041, 13.8527



15.2344, 15.0041, 10.0494

Sweetspot

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



11.8406, 15.0047, 19.1020



26.7650, 29.9454, 34.5064



9.8140, 14.3793, 7.8590



6.0550, 6.8310, 7.9284



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.



11.8406, 15.0047, 19.1020



19.9078, 26.1323, 34.1318



9.3949, 10.1132, 18.2868



3.7772, 4.1431, 4.6909



10.2427, 14.8252, 20.8643



49.8334, 72.0833, 101.6473

Inverse Universe

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



12.5560, 9.1775, 17.6333



21.3777, 14.2591, 31.0917



12.3221, 12.0841, 7.1522



3.8236, 3.7567, 4.5977



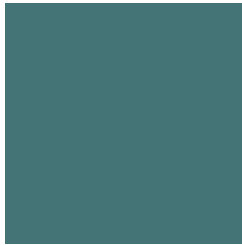
11.4672, 5.5206, 18.2003



55.8403, 26.8863, 88.4774

Previews

White Background



This preview shows how the XYZ color 11.8402, 15.0041, 19.1017 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 11.8402, 15.0041, 19.1017 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 11.8402, 15.0041, 19.1017

Background



This preview shows how black text looks on a background with the XYZ color 11.8402, 15.0041, 19.1017.



This preview shows how white text looks on a background with the XYZ color 11.8402, 15.0041,

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

11.8402, 15.0041, 19.1017

Protanopia

14.3667, 14.8734, 17.4429

Deuteranopia

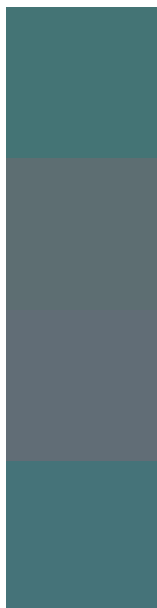
15.1914, 14.9458, 19.5369



Tritanopia

12.2946, 15.0188, 21.3197

Trichromacy



Original Color

11.8402, 15.0041, 19.1017

Protanomaly

13.1274, 14.6939, 18.0639

Deuteranomaly

13.6684, 14.7867, 19.2733

Tritanomaly

12.0362, 14.9072, 20.3322

Monochromacy



Original Color

11.8402, 15.0041, 19.1017

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.1280, 13.7506, 15.9248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8402, 15.0041, 19.1017 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(68, 116, 117)` looks like.

```
.text, #text, p{  
    color:rgb(68, 116, 117)  
}
```

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(68, 116, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 116, 117) }
```

Border

The CSS property to change the border of an element to XYZ 11.8402, 15.0041, 19.1017 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(68, 116, 117) }
```


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

```
.border{ border-color:rgb(68, 116, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 116, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 116, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 116, 117);  
box-shadow:4px 4px 4px 4px rgb(68, 116,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8402, 15.0041, 19.1017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 116, 117) }
```

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

```
.background{ background-color: rgb(68, 116,  
117) }
```

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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