

Converting Colors

XYZ(11.9173, 15.4536, 19.7817)

Have a look what the booklet for
XYZ(11.9173, 15.4536, 19.7817)
contains.

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Color

**XYZ(11.8581, 15.3455,
19.7898)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7677
RGB	63, 118, 119
RGB Percent	25%, 46%, 47%
CMY	0.7529, 0.5372, 0.5333
CMYK	0.47, 0.01, 0.00, 0.53
HSL	181°, 31%, 36%
HSV	181°, 47%, 47%
XYZ	11.8581, 15.3455, 19.7898
YIQ	101.6690, -33.1010, -11.3490

Conversions

Conversions Part 2

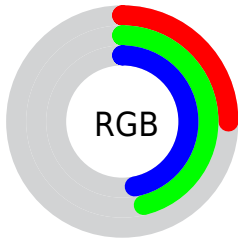
Format	Color
RYB	63, 91, 119
Decimal	4159095
CIELab	46.10, -17.85, -6.21
CIELCh	46, 18.900, 199.196
Yxy	15.3455, 0.2523, 0.3265
Android (android.graphics.Color)	4282349175 (0xFF3F7677)
YUV	101.6690, 8.5442, -33.9127
Hunter-Lab	39.1733, -14.5199, -2.5311

Details

The XYZ color **11.8581, 15.3455, 19.7898** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.3387, 7.9479, 5.6922**, and the grayscale version is **12.5280, 13.1804, 14.3535**.

A 20% lighter version of the original color is **28.7956, 35.3346, 43.8306**, and **3.3155, 4.7370, 6.7008** is the 20% darker color. If you saturate the color by 10%, you get **11.1539, 14.9458, 19.7500**, and if you desaturate by 10%, it is **12.7276, 15.8313, 19.8380**.

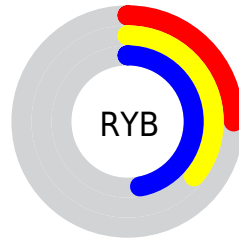
Distribution



Red (25%)

Green (46%)

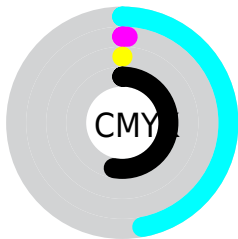
Blue (47%)



Red (25%)

Yellow (36%)

Blue (47%)

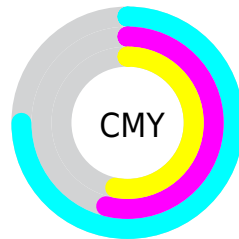


Cyan (47%)

Magenta (1%)

Yellow (0%)

Black (53%)



Cyan (75%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8581, 15.3455, 19.7898 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 11.8581, 15.3455, 19.7898 by changing the saturation by 10% instead.

■ 11.8581, 15.3455,
19.7898

■ 11.8581, 15.3455,
19.7898

197.2528,
225.4480, 263.3414

■ 6.7186, 9.0622,
12.0598

■ 28.8555, 35.4582,
43.9188

■ 3.3315, 4.7818,
6.6614

■ 41.4442, 50.0563,
61.1549

■ 1.3314, 2.1198,
3.1760

■ 57.2466, 68.1949,
82.3967

■ 0.2065, 0.6757,
1.1852

■ 76.6281, 90.2583,
108.0629

■ 0.0000, 0.0000,
0.0000

■ 99.9542, 116.6310,
138.5719

127.5901,

147.6972, 174.3423

159.9011,
183.8414, 215.7926

■ 11.8581, 15.3455,
19.7898

■ 11.8581, 15.3455,
19.7898

■ 11.1539, 14.9458,
19.7500

■ 12.7276, 15.8313,
19.8380

■ 10.6030, 14.6248,
19.7171

■ 13.7707, 16.4063,
19.8940

■ 10.1938, 14.3769,
19.6908

■ 14.9969, 17.0757,
19.9586

■ 9.9125, 14.1951,
19.6706

■ 16.4147, 17.8440,
20.0322

■ 9.7280, 14.0632,
19.6548

■ 18.0317, 18.7151,
20.1151

■ 9.6769, 14.0261,
19.6504

■ 19.8554, 19.6929,
20.2077

■ 21.8930, 20.7809,
20.3103

■ 24.1509, 21.9827,
20.4233

■ 26.6358, 23.3015,
20.5469

Harmonies

Analogous

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



11.7565, 15.3455, 15.1044



11.8581, 15.3455, 19.7898



12.6584, 15.3455, 24.3404

Triad

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



11.8581, 15.3455, 19.7898



17.0511, 15.3455, 23.1828



15.1722, 15.3455, 9.4376

Complementary

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



11.8581, 15.3455, 19.7898



10.3387, 7.9479, 5.6922

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.



16.6988, 15.3455, 10.8664



11.8581, 15.3455, 19.7898



17.8353, 15.3455, 18.4226

Square

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



11.8581, 15.3455, 19.7898



15.6250, 15.3455, 26.5345



17.7018, 15.3455, 13.9651



13.5931, 15.3455, 9.6684

Rectangle

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



11.8581, 15.3455, 19.7898



13.5155, 15.3455, 26.4191



17.7018, 15.3455, 13.9651



15.7104, 15.3455, 9.7275

Sweetspot

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



11.8586, 15.3461, 19.7902



27.5063, 30.9313, 35.7737



9.5706, 14.6202, 7.1585



6.4161, 7.2747, 8.4727



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.8586, 15.3461, 19.7902



19.9325, 26.7398, 35.3638



9.0418, 9.7127, 18.8513



3.7780, 4.1446, 4.6911



10.2802, 14.9001, 20.8767



50.0258, 72.4681, 101.7114

Inverse Universe

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



12.6557, 8.7854, 18.1689



21.5497, 13.5440, 32.0485



12.3267, 11.9240, 6.3549



3.8240, 3.7569, 4.5997



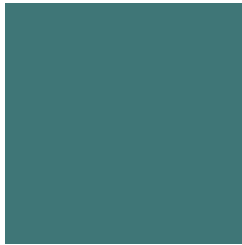
11.4861, 5.5282, 18.2998



55.9374, 26.9251, 88.9888

Previews

White Background



This preview shows how the XYZ color 11.8581, 15.3455, 19.7898 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 11.8581, 15.3455, 19.7898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

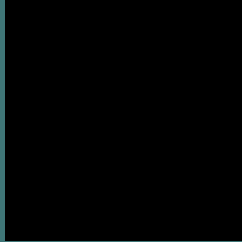
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8581, 15.3455, 19.7898

Background



This preview shows how black text looks on a background with the XYZ color 11.8581, 15.3455, 19.7898.



This preview shows how white text looks on a background with the XYZ color 11.8581, 15.3455,

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

11.8581, 15.3455, 19.7898

Protanopia

14.6499, 15.1686, 17.7785

Deuteranopia

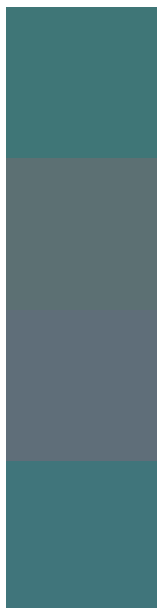
15.4769, 15.2239, 20.5351



Tritanopia

12.3072, 15.3528, 22.0534

Trichromacy



Original Color

11.8581, 15.3455, 19.7898

Protanomaly

13.3023, 15.1015, 18.4334

Deuteranomaly

13.7464, 14.9652, 20.2532

Tritanomaly

12.0508, 15.2426, 21.0459

Monochromacy



Original Color

11.8581, 15.3455, 19.7898

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0938, 13.8825, 16.2295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8581, 15.3455, 19.7898 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(63, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(63, 118, 119)  
}
```

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(63, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 118, 119) }
```

Border

The CSS property to change the border of an element to XYZ 11.8581, 15.3455, 19.7898 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(63, 118, 119) }
```


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

```
.border{ border-color:rgb(63, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(63, 118,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8581, 15.3455, 19.7898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 118, 119) }
```

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

```
.background{ background-color: rgb(63, 118,  
119) }
```

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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