

Converting Colors

XYZ(11.7410, 19.6229, 14.7209)

Have a look what the booklet for
XYZ(11.7410, 19.6229, 14.7209)
contains.

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Color

**XYZ(11.8139, 19.7572,
14.7461)**

Conversions

Conversions Part 1

Format	Color
Hex	118C62
RGB	17, 140, 98
RGB Percent	7%, 55%, 38%
CMY	0.9333, 0.4510, 0.6157
CMYK	0.88, 0.00, 0.30, 0.45
HSL	160°, 78%, 31%
HSV	160°, 88%, 55%
XYZ	11.8139, 19.7572, 14.7461
YIQ	98.4350, -59.8260, -39.1380

Conversions

Conversions Part 2

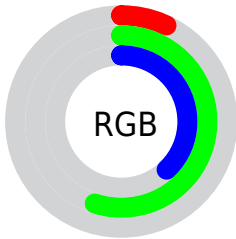
Format	Color
RYB	17, 91, 140
Decimal	1150050
CIELab	51.56, -41.68, 13.78
CIELCh	52, 43.902, 161.710
Yxy	19.7572, 0.2551, 0.4266
Android (android.graphics.Color)	4279340130 (0xFF118C62)
YUV	98.4350, -0.2145, -71.4185
Hunter-Lab	44.4491, -30.3432, 11.4447

Details

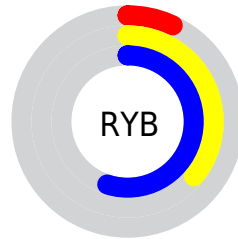
The XYZ color **11.8139, 19.7572, 14.7461** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.8059, 6.2927, 4.7315**, and the grayscale version is **11.7301, 12.3410, 13.4394**.

A 20% lighter version of the original color is **28.6471, 42.7797, 35.1812**, and **4.1699, 7.3838, 4.3374** is the 20% darker color. If you saturate the color by 10%, you get **11.4017, 19.5705, 13.5837**, and if you desaturate by 10%, it is **12.3811, 20.0232, 15.9870**.

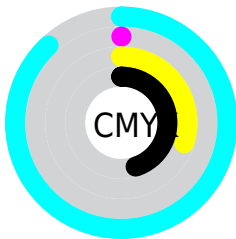
Distribution



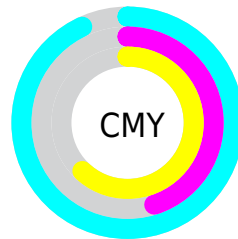
- Red (7%)
- Green (55%)
- Blue (38%)



- Red (7%)
- Yellow (36%)
- Blue (55%)



- Cyan (88%)
- Magenta (0%)
- Yellow (30%)
- Black (45%)



- Cyan (93%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8139, 19.7572, 14.7461 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 11.8139, 19.7572, 14.7461 by changing the saturation by 10% instead.

■ 11.8139, 19.7572,
14.7461

■ 11.8139, 19.7572,
14.7461

196.9645,
250.5977, 233.4118

■ 6.6884, 12.2187,
8.4967

■ 28.7755, 43.0097,
35.1431

■ 3.3126, 6.8928,
4.3221

■ 41.3423, 59.4925,
50.1279

■ 1.3211, 3.3951,
1.8037

■ 57.1203, 79.7256,
68.8615

■ 0.1990, 1.3413,
0.4304

■ 76.4747, 104.0932,
91.7626

■ 0.0000, 0.1729,
0.0000

■ 99.7710, 132.9798,
119.2496

■ 0.0000, 0.0000,
0.0000

■ 127.3745,

166.7698, 151.7411

159.6505,
205.8476, 189.6557

■ 11.8139, 19.7572,
14.7461

■ 11.8139, 19.7572,
14.7461

■ 11.4017, 19.5705,
13.5837

■ 12.3811, 20.0232,
15.9870

■ 11.3186, 19.5329,
13.3431

■ 13.1446, 20.3884,
17.3083

■ 14.1265, 20.8645,
18.7126

■ 15.3451, 21.4610,
20.2018

■ 16.8169, 22.1864,
21.7779

■ 18.5569, 23.0483,
23.4426

■ 20.5787, 24.0539,
25.1977

■ 22.8951, 25.2095,
27.0447

■ 25.5181, 26.5215,
28.9852

Harmonies

Analogous

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



13.6756, 19.7572, 7.9840



11.8139, 19.7572, 14.7461



11.6296, 19.7572, 26.8360

Triad

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



11.8139, 19.7572, 14.7461



20.5556, 19.7572, 55.2002



25.8592, 19.7572, 9.0476

Complementary

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



11.8139, 19.7572, 14.7461



11.8059, 6.2927, 4.7315

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.



28.3829, 19.7572, 16.9437



11.8139, 19.7572, 14.7461



25.0153, 19.7572, 45.2582

Square

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



11.8139, 19.7572, 14.7461



16.2374, 19.7572, 53.8569



28.0519, 19.7572, 30.0841



21.5721, 19.7572, 5.6963

Rectangle

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



11.8139, 19.7572, 14.7461



12.4405, 19.7572, 36.9969



28.0519, 19.7572, 30.0841



26.9701, 19.7572, 11.0929

Sweetspot

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



11.8144, 19.7580, 14.7466



33.1511, 40.8502, 41.7230



11.3466, 19.7598, 3.7467



7.4078, 9.2982, 9.4033



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.8144, 19.7580, 14.7466



19.8772, 34.4054, 23.1162



11.8700, 15.8224, 27.2403



5.1015, 5.6601, 6.0553



10.0662, 17.3591, 11.9052



0.0738, 0.1181, 0.1153

Inverse Universe

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



11.8059, 6.2927, 4.7315



19.9325, 10.1757, 5.4462



11.5315, 6.8454, 1.2442



5.0988, 5.0749, 5.6086



10.0889, 5.1457, 2.9726



0.0734, 0.0367, 0.0532

Previews

White Background



This preview shows how the XYZ color 11.8139, 19.7572, 14.7461 looks on a white 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

Black Background



This preview shows how the XYZ color 11.8139, 19.7572, 14.7461 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 11.8139, 19.7572, 14.7461

Background



This preview shows how black text looks on a background with the XYZ color 11.8139, 19.7572, 14.7461.



This preview shows how white text looks on a background with the XYZ color 11.8139, 19.7572,

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

11.8139, 19.7572, 14.7461

Protanopia

18.1651, 19.4825, 12.4760

Deuteranopia

19.9111, 19.5989, 15.5655



Tritanopia

14.9026, 19.7475, 29.8143

Trichromacy



Original Color

11.8139, 19.7572, 14.7461



Protanomaly

14.0425, 18.6645, 13.2184



Deuteranomaly

14.6337, 18.3481, 15.0822



Tritanomaly

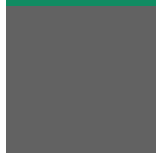
13.4634, 19.5601, 23.4880

Monochromacy



Original Color

11.8139, 19.7572, 14.7461



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.5640, 13.9573, 13.6925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8139, 19.7572, 14.7461 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(17, 140, 98)` looks like.

```
.text, #text, p{  
    color:rgb(17, 140, 98)  
}
```

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(17, 140, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 140, 98) }
```

Border

The CSS property to change the border of an element to XYZ 11.8139, 19.7572, 14.7461 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(17, 140, 98) }
```


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

```
.border{ border-color:rgb(17, 140, 98) }
```

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

Here you see how a box with a 4 pixel rgb(17, 140, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 140, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 140, 98);  
box-shadow:4px 4px 4px 4px rgb(17, 140,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8139, 19.7572, 14.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 140, 98) }
```

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

```
.background{ background-color: rgb(17, 140,  
98) }
```

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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