

Converting Colors

XYZ(11.6842, 11.7899, 19.3356)

Have a look what the booklet for
XYZ(11.6842, 11.7899, 19.3356)
contains.

XYZ(11.6929, 11.8457, 19.4395)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.6929, 11.8457,
19.4395)**

Conversions

Conversions Part 1

Format	Color
Hex	596078
RGB	89, 96, 120
RGB Percent	35%, 38%, 47%
CMY	0.6510, 0.6235, 0.5294
CMYK	0.26, 0.20, 0.00, 0.53
HSL	226°, 15%, 41%
HSV	226°, 26%, 47%
XYZ	11.6929, 11.8457, 19.4395
YIQ	96.6430, -11.8760, 5.9800

Conversions

Conversions Part 2

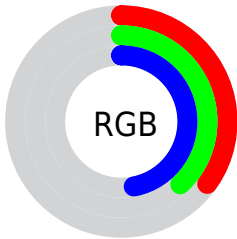
Format	Color
R_{YB}	89, 95, 120
Decimal	5857400
CIE _{Lab}	40.97, 3.11, -14.39
CIE _{LCh}	41, 14.727, 282.211
Yxy	11.8457, 0.2721, 0.2756
Android (android.graphics.Color)	4284047480 (0xFF596078)
YUV	96.6430, 11.5150, -6.7029
Hunter-Lab	34.4176, 0.4121, -9.3955

Details

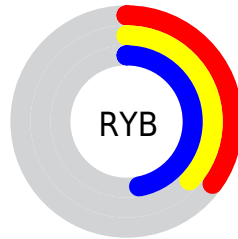
The XYZ color **11.6929, 11.8457, 19.4395** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4542, 16.5247, 11.8266**, and the grayscale version is **11.2499, 11.8358, 12.8892**.

A 20% lighter version of the original color is **28.5405, 29.1118, 43.1446**, and **3.2328, 3.2284, 6.4140** is the 20% darker color. If you saturate the color by 10%, you get **9.8358, 9.7038, 19.1242**, and if you desaturate by 10%, it is **13.8386, 14.2857, 19.7976**.

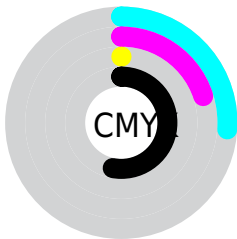
Distribution



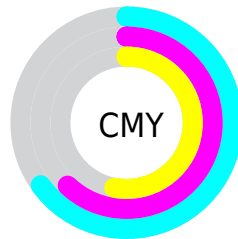
- Red (35%)
- Green (38%)
- Blue (47%)



- Red (35%)
- Yellow (37%)
- Blue (47%)



- Cyan (26%)
- Magenta (20%)
- Yellow (0%)
- Black (53%)



- Cyan (65%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6929, 11.8457, 19.4395 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 11.6929, 11.8457, 19.4395 by changing the saturation by 10% instead.

■ 11.6929, 11.8457,
19.4395

■ 11.6929, 11.8457,
19.4395

196.1732,
203.3811, 261.3675

■ 6.6056, 6.6387,
11.8083

■ 28.5563, 29.2138,
43.3220

■ 3.2608, 3.2372,
6.4923

■ 41.0631, 42.1436,
60.4103

■ 1.2932, 1.2568,
3.0731

■ 56.7738, 58.4165,
81.4881

■ 0.1781, 0.1074,
1.1321

■ 76.0538, 78.4169,
106.9738

■ 0.0000, 0.0000,
0.0000

■ 99.2683, 102.5292,
137.2861

126.7828,

131.1377, 172.8435

158.9627,
164.6269, 214.0644

■ 11.6929, 11.8457,
19.4395

■ 11.6929, 11.8457,
19.4395

■ 9.8358, 9.7038,
19.1242

■ 13.8386, 14.2857,
19.7976

■ 8.2538, 7.8470,
18.8491

■ 16.2837, 17.0334,
20.1991

■ 6.9336, 6.2633,
18.6130

■ 19.0396, 20.0996,
20.6456

■ 5.8606, 4.9392,
18.4140

■ 22.1169, 23.4942,
21.1387

■ 5.0185, 3.8604,
18.2502

■ 25.5255, 27.2268,
21.6795

■ 4.3890, 3.0106,
18.1193

■ 29.2751, 31.3064,
22.2693

■ 3.9421, 2.3669,
18.0186

■ 33.3749, 35.7418,
22.9093

■ 3.7844, 2.1445,
17.9840

■ 37.8337, 40.5413,
23.6007

■ 42.6600, 45.7131,
24.3446

Harmonies

Analogous

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



10.6514, 11.8457, 19.2481



11.6929, 11.8457, 19.4395



12.6755, 11.8457, 17.6897

Triad

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



11.6929, 11.8457, 19.4395



12.8270, 11.8457, 9.3797



9.4382, 11.8457, 11.2055

Complementary

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



11.6929, 11.8457, 19.4395



15.4542, 16.5247, 11.8266

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.



9.9521, 11.8457, 9.0606



11.6929, 11.8457, 19.4395



11.8892, 11.8457, 8.1251

Square

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



11.6929, 11.8457, 19.4395



13.3571, 11.8457, 11.7094



10.8359, 11.8457, 8.0182



9.3929, 11.8457, 14.1644

Rectangle

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



11.6929, 11.8457, 19.4395



13.1478, 11.8457, 15.7961



10.8359, 11.8457, 8.0182



9.5603, 11.8457, 10.3779

Sweetspot

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



11.6933, 11.8462, 19.4398



27.5747, 28.7661, 35.3521



13.8041, 16.7441, 18.0587



6.4002, 6.6662, 8.3561



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.



11.6933, 11.8462, 19.4398



18.5701, 18.5399, 33.8529



11.9211, 11.0573, 19.2755



3.8643, 4.0269, 5.0168



4.1189, 2.3203, 19.6161



19.1058, 9.9842, 93.3900

Inverse Universe

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



13.4298, 11.9827, 12.6720



22.1986, 18.9206, 19.6900



15.1681, 17.5818, 12.0457



4.0320, 4.0285, 4.3660



8.6624, 4.4411, 1.5130



41.0469, 21.0751, 5.7769

Previews

White Background



This preview shows how the XYZ color 11.6929, 11.8457, 19.4395 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 11.6929, 11.8457, 19.4395 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

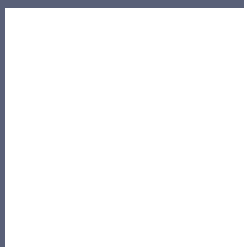
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6929, 11.8457, 19.4395

Background



This preview shows how black text looks on a background with the XYZ color 11.6929, 11.8457, 19.4395.



This preview shows how white text looks on a background with the XYZ color 11.6929, 11.8457,

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

11.6929, 11.8457, 19.4395

Protanopia

11.8874, 11.9460, 19.4486

Deuteranopia

12.0985, 11.9202, 19.4325



Tritanopia

10.8070, 11.7544, 15.3349

Trichromacy



Original Color

11.6929, 11.8457, 19.4395

Protanomaly

11.7895, 11.8955, 19.4440

Deuteranomaly

11.8960, 11.8158, 19.4230

Tritanomaly

11.0744, 11.7233, 16.7181

Monochromacy



Original Color

11.6929, 11.8457, 19.4395

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.4406, 11.9490, 15.0680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6929, 11.8457, 19.4395 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(89, 96, 120) looks like.

```
.text, #text, p{  
    color:rgb(89, 96, 120)  
}
```

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(89, 96, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 96, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.6929, 11.8457, 19.4395 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(89, 96, 120) }
```


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

```
.border{ border-color:rgb(89, 96, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 96, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 96, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 96, 120);  
box-shadow:4px 4px 4px 4px rgb(89, 96,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6929, 11.8457, 19.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 96, 120) }
```

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

```
.background{ background-color: rgb(89, 96,  
120) }
```

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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