

Converting Colors

XYZ(11.8724, 13.8271, 19.7648)

Have a look what the booklet for
XYZ(11.8724, 13.8271, 19.7648)
contains.

XYZ(11.9194, 13.8711, 19.8185)	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(11.9194, 13.8711,
19.8185)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6D78
RGB	77, 109, 120
RGB Percent	30%, 43%, 47%
CMY	0.6980, 0.5725, 0.5294
CMYK	0.36, 0.09, 0.00, 0.53
HSL	195°, 22%, 39%
HSV	195°, 36%, 47%
XYZ	11.9194, 13.8711, 19.8185
YIQ	100.6860, -22.6030, -3.3630

Conversions

Conversions Part 2

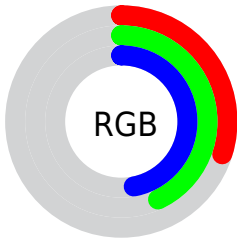
Format	Color
RYB	77, 95, 120
Decimal	5074296
CIELab	44.05, -8.56, -9.81
CIELCh	44, 13.020, 228.920
Yxy	13.8711, 0.2613, 0.3041
Android (android.graphics.Color)	4283264376 (0xFF4D6D78)
YUV	100.6860, 9.5218, -20.7726
Hunter-Lab	37.2439, -8.0504, -5.4791




Details

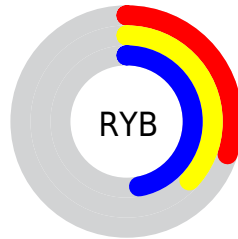
The XYZ color **11.9194, 13.8711, 19.8185** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5753, 11.5087, 8.5802**, and the grayscale version is **12.2696, 12.9085, 14.0574**.



A 20% lighter version of the original color is **29.0934, 33.0575, 43.8771**, and **3.3990, 4.1743, 6.7575** is the 20% darker color. If you saturate the color by 10%, you get **10.7174, 12.7741, 19.6703**, and if you desaturate by 10%, it is **13.3124, 15.0842, 19.9795**.

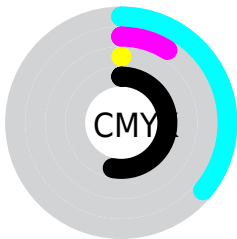
Distribution







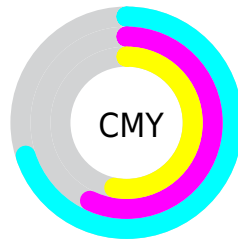
-  Red (30%)
-  Green (43%)
-  Blue (47%)






-  Red (30%)
-  Yellow (37%)
-  Blue (47%)



-  Cyan (36%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (70%)
-  Magenta (57%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9194, 13.8711, 19.8185 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 11.9194, 13.8711, 19.8185 by changing the saturation by 10% instead.

■ 11.9194, 13.8711,
19.8185

■ 11.9194, 13.8711,
19.8185

197.6518,
216.4275, 263.5025

■ 6.7606, 8.0311,
12.0804

■ 28.9664, 32.8601,
43.9676

■ 3.3578, 4.1148,
6.6753

■ 41.5852, 46.7779,
61.2158

■ 1.3457, 1.7380,
3.1845

■ 57.4216, 64.1571,
82.4710

■ 0.2170, 0.4481,
1.1896

■ 76.8406, 85.3821,
108.1519

■ 0.0000, 0.0000,
0.0000

■ 100.2078,
110.8372, 138.6769

127.8885,

140.9068, 174.4647

160.2481,
175.9755, 215.9337

■ 11.9194, 13.8711,
19.8185

■ 11.9194, 13.8711,
19.8185

■ 10.7174, 12.7741,
19.6703

■ 13.3124, 15.0842,
19.9795

■ 9.6951, 11.7862,
19.5335

■ 14.9042, 16.4166,
20.1528

■ 8.8421, 10.9022,
19.4079

■ 16.7039, 17.8735,
20.3391

■ 8.1461, 10.1157,
19.2927

■ 18.7196, 19.4593,
20.5390

■ 7.5934, 9.4192,
19.1874

■ 20.9588, 21.1779,
20.7527

■ 7.1585, 8.7996,
19.0908

■ 23.4289, 23.0333,
20.9806

■ 6.9880, 8.5516,
19.0519

■ 26.1366, 25.0292,
21.2231

■ 29.0887, 27.1692,
21.4806

■ 32.2915, 29.4567,
21.7533

Harmonies

Analogous

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



11.3901, 13.8711, 17.0272



11.9194, 13.8711, 19.8185



12.8054, 13.8711, 21.4137

Triad

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



11.9194, 13.8711, 19.8185



15.2346, 13.8711, 16.2250



12.5494, 13.8711, 10.3288

Complementary

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



11.9194, 13.8711, 19.8185



12.5753, 11.5087, 8.5802

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.



13.5701, 13.8711, 10.1731



11.9194, 13.8711, 19.8185



15.1572, 13.8711, 13.3300

Square

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



11.9194, 13.8711, 19.8185



14.7414, 13.8711, 19.1655



14.5352, 13.8711, 11.2024



11.7405, 13.8711, 11.6599

Rectangle

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



11.9194, 13.8711, 19.8185



13.4950, 13.8711, 21.4608



14.5352, 13.8711, 11.2024



12.8780, 13.8711, 10.1445

Sweetspot

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



11.9198, 13.8716, 19.8188



27.6113, 30.0149, 35.5913



11.5285, 15.7115, 11.6038



6.4649, 7.0493, 8.4266



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.



11.9198, 13.8716, 19.8188



19.2021, 22.7959, 34.6411



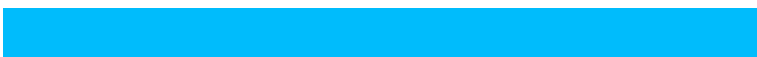
9.9204, 9.8728, 19.1523



4.0244, 4.3471, 5.0701



7.6118, 9.3059, 20.7803



35.5983, 42.9691, 98.8874

Inverse Universe

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



13.1603, 10.4054, 15.7833



21.7872, 15.9597, 26.1445



14.5810, 15.5200, 9.2488



4.1128, 4.0608, 4.7915



10.4254, 5.1463, 10.7969



49.3715, 24.4049, 49.6138

Previews

White Background



This preview shows how the XYZ color 11.9194, 13.8711, 19.8185 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 11.9194, 13.8711, 19.8185 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

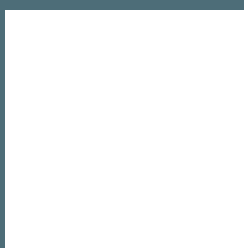
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9194, 13.8711, 19.8185

Background



This preview shows how black text looks on a background with the XYZ color 11.9194, 13.8711, 19.8185.

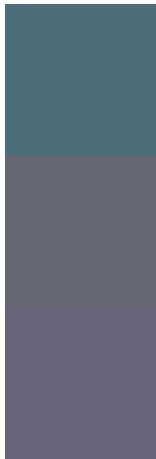


This preview shows how white text looks on a background with the XYZ color 11.9194, 13.8711,

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

11.9194, 13.8711, 19.8185

Protanopia

13.4821, 13.7862, 18.4734

Deuteranopia

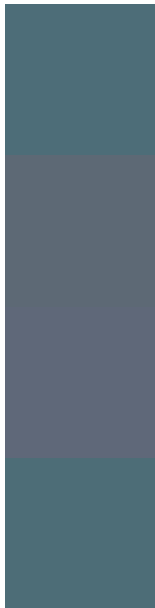
13.9922, 13.7158, 20.3223



Tritanopia

11.7992, 13.8231, 19.1858

Trichromacy



Original Color

11.9194, 13.8711, 19.8185

Protanomaly

12.7767, 13.7147, 18.8034

Deuteranomaly

13.1208, 13.7140, 20.0447

Tritanomaly

11.8590, 13.8470, 19.5005

Monochromacy



Original Color

11.9194, 13.8711, 19.8185

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0707, 13.2586, 16.1103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9194, 13.8711, 19.8185 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(77, 109, 120)` looks like.

```
.text, #text, p{  
    color:rgb(77, 109, 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(77, 109, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 109, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.9194, 13.8711, 19.8185 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(77, 109, 120) }
```


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

```
.border{ border-color:rgb(77, 109, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 109, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 109, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 109, 120);  
box-shadow:4px 4px 4px 4px rgb(77, 109,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9194, 13.8711, 19.8185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 109, 120) }
```

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

```
.background{ background-color: rgb(77, 109,  
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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