

Converting Colors

XYZ(11.6014, 15.5158, 20.9260)

Have a look what the booklet for
XYZ(11.6014, 15.5158, 20.9260)
contains.

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Color

**XYZ(11.5946, 15.5419,
20.8011)**

Conversions

Conversions Part 1

Format	Color
Hex	33787A
RGB	51, 120, 122
RGB Percent	20%, 47%, 48%
CMY	0.8000, 0.5294, 0.5216
CMYK	0.58, 0.02, 0.00, 0.52
HSL	182°, 41%, 34%
HSV	182°, 58%, 48%
XYZ	11.5946, 15.5419, 20.8011
YIQ	99.5970, -41.7660, -14.0060

Conversions

Conversions Part 2

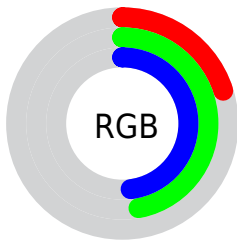
Format	Color
RYB	51, 86, 122
Decimal	3373178
CIELab	46.37, -20.85, -7.66
CIELCh	46, 22.212, 200.165
Yxy	15.5419, 0.2419, 0.3242
Android (android.graphics.Color)	4281563258 (0xFF33787A)
YUV	99.5970, 11.0447, -42.6196
Hunter-Lab	39.4232, -16.4927, -3.6873

Details

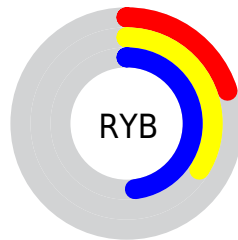
The XYZ color **11.5946, 15.5419, 20.8011** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.8970, 6.9232, 3.9472**, and the grayscale version is **11.9916, 12.6161, 13.7389**.

A 20% lighter version of the original color is **28.4092, 35.9464, 45.4854**, and **3.4558, 4.9875, 7.0839** is the 20% darker color. If you saturate the color by 10%, you get **11.0177, 15.1836, 20.7626**, and if you desaturate by 10%, it is **12.3340, 15.9849, 20.8479**.

Distribution



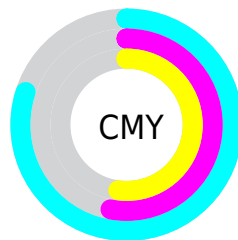
- Red (20%)
- Green (47%)
- Blue (48%)



- Red (20%)
- Yellow (34%)
- Blue (48%)



- Cyan (58%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)



- Cyan (80%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5946, 15.5419, 20.8011 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 11.5946, 15.5419, 20.8011 by changing the saturation by 10% instead.

■ 11.5946, 15.5419,
20.8011

■ 11.5946, 15.5419,
20.8011

■ 195.5279,
226.6232, 268.9658

■ 6.5385, 9.2006,
12.7889

■ 28.3779, 35.8011,
45.6328

■ 3.2189, 4.8722,
7.1543

■ 40.8358, 50.4877,
63.2893

■ 1.2706, 2.1725,
3.4789

■ 56.4916, 68.7249,
84.9976

■ 0.1610, 0.7049,
1.3441

■ 75.7108, 90.8971,
111.1763

■ 0.0000, 0.0000,
0.0975

■ 98.8586, 117.3886,
142.2440

■ 0.0000, 0.0000,
0.0000

■ 126.3005,

148.5838, 178.6191

158.4018,
184.8672, 220.7202

■ 11.5946, 15.5419,
20.8011

■ 11.5946, 15.5419,
20.8011

■ 11.0177, 15.1836,
20.7626

■ 12.3340, 15.9849,
20.8479

■ 10.5889, 14.9016,
20.7308

■ 13.2459, 16.5166,
20.9025

■ 10.2938, 14.6887,
20.7052

■ 14.3414, 17.1432,
20.9657

■ 10.0931, 14.5247,
20.6842

■ 15.6300, 17.8696,
21.0380

■ 10.0582, 14.4957,
20.6804

■ 17.1207, 18.7005,
21.1198

■ 18.8220, 19.6400,
21.2115

■ 20.7417, 20.6924,
21.3134

■ 22.8873, 21.8615,
21.4260

■ 25.2661, 23.1510,
21.5495

Harmonies

Analogous

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



11.4500, 15.5419, 15.1937



11.5946, 15.5419, 20.8011



12.5485, 15.5419, 26.3200

Triad

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



11.5946, 15.5419, 20.8011



17.7661, 15.5419, 24.5681



15.4064, 15.5419, 8.5502

Complementary

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



11.5946, 15.5419, 20.8011



9.8970, 6.9232, 3.9472

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.



17.2440, 15.5419, 10.0796



11.5946, 15.5419, 20.8011



18.6817, 15.5419, 18.7776

Square

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



11.5946, 15.5419, 20.8011



16.0707, 15.5419, 28.7985



18.4828, 15.5419, 13.5587



13.5454, 15.5419, 8.8640

Rectangle

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



11.5946, 15.5419, 20.8011



13.5642, 15.5419, 28.8280



18.4828, 15.5419, 13.5587



16.0497, 15.5419, 8.8505

Sweetspot

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



11.5951, 15.5425, 20.8015



27.6900, 31.5455, 37.0224



8.9492, 14.8728, 5.6701



6.2459, 7.1651, 8.4605



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.



11.5951, 15.5425, 20.8015



19.0911, 26.5241, 36.5064



8.1521, 8.6565, 19.6538



4.0979, 4.4940, 5.0946



10.5885, 15.2594, 21.7726



50.3983, 72.5692, 103.8208

Inverse Universe

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



12.6004, 7.8618, 18.6233



21.0691, 11.7129, 32.1538



12.0878, 11.3047, 4.6774



4.1498, 4.0757, 4.9868



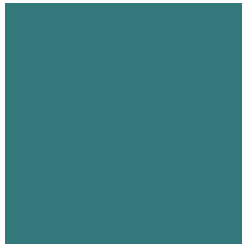
11.9279, 5.7473, 18.7091



56.8419, 27.3931, 88.9522

Previews

White Background



This preview shows how the XYZ color 11.5946, 15.5419, 20.8011 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 11.5946, 15.5419, 20.8011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

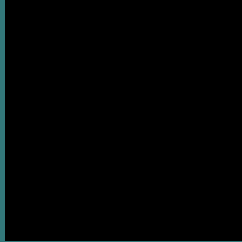
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.5946, 15.5419, 20.8011

Background



This preview shows how black text looks on a background with the XYZ color 11.5946, 15.5419, 20.8011.



This preview shows how white text looks on a background with the XYZ color 11.5946, 15.5419,

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

11.5946, 15.5419, 20.8011

Protanopia

14.9936, 15.4901, 18.4193

Deuteranopia

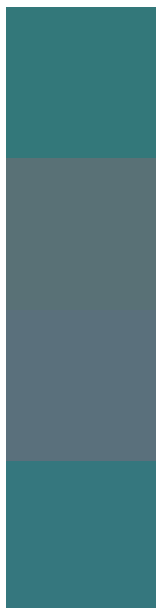
15.7694, 15.5068, 21.5640



Tritanopia

12.0806, 15.5629, 23.1361

Trichromacy



Original Color

11.5946, 15.5419, 20.8011

Protanomaly

13.2950, 15.2421, 19.3808

Deuteranomaly

13.6487, 15.2172, 21.2866

Tritanomaly

11.8309, 15.4569, 22.0986

Monochromacy



Original Color

11.5946, 15.5419, 20.8011

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.4441, 13.3919, 16.1691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5946, 15.5419, 20.8011 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(51, 120, 122)` looks like.

```
.text, #text, p{  
    color:rgb(51, 120, 122)  
}
```

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(51, 120, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 120, 122) }
```

Border

The CSS property to change the border of an element to XYZ 11.5946, 15.5419, 20.8011 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(51, 120, 122) }
```


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

```
.border{ border-color:rgb(51, 120, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 120, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 120, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 120, 122);  
box-shadow:4px 4px 4px 4px rgb(51, 120,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5946, 15.5419, 20.8011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 120, 122) }
```

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

```
.background{ background-color: rgb(51, 120,  
122) }
```

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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