

Converting Colors

XYZ(11.8981, 15.9034, 20.8726)

Have a look what the booklet for
XYZ(11.8981, 15.9034, 20.8726)
contains.

XYZ(11.8715, 15.8642, 20.8487)	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(11.8715, 15.8642,
20.8487)**

Conversions

Conversions Part 1

Format	Color
Hex	36797A
RGB	54, 121, 122
RGB Percent	21%, 47%, 48%
CMY	0.7882, 0.5255, 0.5216
CMYK	0.56, 0.01, 0.00, 0.52
HSL	181°, 39%, 35%
HSV	181°, 56%, 48%
XYZ	11.8715, 15.8642, 20.8487
YIQ	101.0810, -40.2530, -13.8930

Conversions

Conversions Part 2

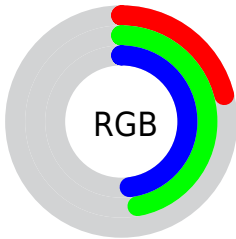
Format	Color
RYB	54, 88, 122
Decimal	3570042
CIELab	46.80, -20.74, -7.01
CIELCh	47, 21.889, 198.669
Yxy	15.8642, 0.2443, 0.3265
Android (android.graphics.Color)	4281760122 (0xFF36797A)
YUV	101.0810, 10.3131, -41.2900
Hunter-Lab	39.8299, -16.4995, -3.1540

Details

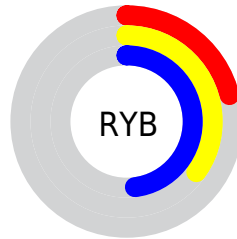
The XYZ color **11.8715, 15.8642, 20.8487** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0582, 7.1364, 4.3376**, and the grayscale version is **12.3726, 13.0169, 14.1754**.

A 20% lighter version of the original color is **28.9604, 36.5162, 45.5664**, and **3.5200, 5.1158, 7.1053** is the 20% darker color. If you saturate the color by 10%, you get **11.2756, 15.5251, 20.8149**, and if you desaturate by 10%, it is **12.6327, 16.2893, 20.8909**.

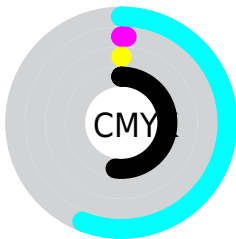
Distribution



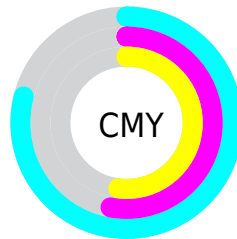
- Red (21%)
- Green (47%)
- Blue (48%)



- Red (21%)
- Yellow (35%)
- Blue (48%)



- Cyan (56%)
- Magenta (1%)
- Yellow (0%)
- Black (52%)



- Cyan (79%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8715, 15.8642, 20.8487 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 11.8715, 15.8642, 20.8487 by changing the saturation by 10% instead.

■ 11.8715, 15.8642,
20.8487

■ 11.8715, 15.8642,
20.8487

■ 197.3401,
228.5391, 269.2279

■ 6.7278, 9.4281,
12.8233

■ 28.8797, 36.3623,
45.7131

■ 3.3373, 5.0215,
7.1777

■ 41.4750, 51.1931,
63.3892

■ 1.3345, 2.2599,
3.4933

■ 57.2849, 69.5909,
85.1192

■ 0.2088, 0.7523,
1.3517

■ 76.6746, 91.9401,
111.3218

■ 0.0000, 0.0000,
0.1036

■ 100.0097,
118.6251, 142.4154

■ 0.0000, 0.0000,
0.0000

■ 127.6554,

150.0304, 178.8186

159.9770,
186.5402, 220.9499

■ 11.8715, 15.8642,
20.8487

■ 11.8715, 15.8642,
20.8487

■ 11.2756, 15.5251,
20.8149

■ 12.6327, 16.2893,
20.8909

■ 10.8310, 15.2636,
20.7879

■ 13.5691, 16.8045,
20.9410

■ 10.5239, 15.0732,
20.7673

■ 14.6913, 17.4154,
20.9998

■ 10.3289, 14.9406,
20.7520

■ 16.0088, 18.1271,
21.0677

■ 10.2546, 14.8886,
20.7459

■ 17.5304, 18.9442,
21.1452

■ 19.2644, 19.8707,
21.2327

■ 21.2187, 20.9109,
21.3304

■ 23.4006, 22.0684,
21.4389

■ 25.8172, 23.3471,
21.5583

Harmonies

Analogous

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



11.7685, 15.8642, 15.2956



11.8715, 15.8642, 20.8487



12.7893, 15.8642, 26.3952

Triad

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



11.8715, 15.8642, 20.8487



17.9956, 15.8642, 25.1573



15.8087, 15.8642, 8.9027

Complementary

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



11.8715, 15.8642, 20.8487



10.0582, 7.1364, 4.3376

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.



17.6257, 15.8642, 10.5403



11.8715, 15.8642, 20.8487



18.9572, 15.8642, 19.4147

Square

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



11.8715, 15.8642, 20.8487



16.2800, 15.8642, 29.2214



18.8164, 15.8642, 14.1322



13.9375, 15.8642, 9.1277

Rectangle

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



11.8715, 15.8642, 20.8487



13.7865, 15.8642, 28.9856



18.8164, 15.8642, 14.1322



16.4487, 15.8642, 9.2369

Sweetspot

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



11.8720, 15.8648, 20.8491



27.7515, 31.6685, 37.0429



9.1469, 14.9699, 5.8976



6.2612, 7.1957, 8.4656



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.



11.8720, 15.8648, 20.8491



19.5854, 27.1670, 36.6044



8.5241, 9.1691, 19.7331



4.1023, 4.5028, 5.0961



10.7958, 15.6740, 21.8417



51.4387, 74.6500, 104.1676

Inverse Universe

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



12.7967, 8.1567, 18.9899



21.4030, 12.1695, 32.9158



12.1819, 11.3836, 5.0455



4.1521, 4.0766, 4.9985



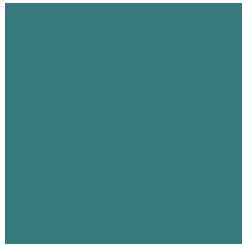
12.0325, 5.7892, 19.2601



57.3670, 27.6031, 91.7176

Previews

White Background



This preview shows how the XYZ color 11.8715, 15.8642, 20.8487 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 11.8715, 15.8642, 20.8487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

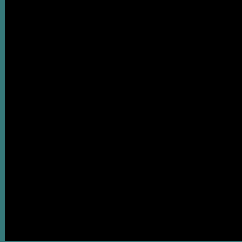
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8715, 15.8642, 20.8487

Background



This preview shows how black text looks on a background with the XYZ color 11.8715, 15.8642, 20.8487.



This preview shows how white text looks on a background with the XYZ color 11.8715, 15.8642,

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

11.8715, 15.8642, 20.8487

Protanopia

15.2260, 15.7692, 18.4609

Deuteranopia

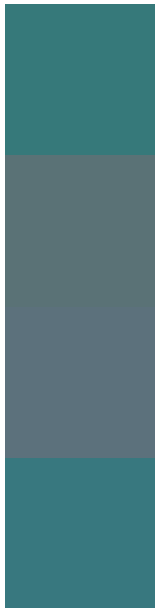
16.0037, 15.7832, 21.6050



Tritanopia

12.4331, 15.9145, 23.5356

Trichromacy



Original Color

11.8715, 15.8642, 20.8487

Protanomaly

13.5038, 15.5163, 19.4228

Deuteranomaly

13.9569, 15.5408, 21.3329

Tritanomaly

12.1781, 15.8060, 22.4877

Monochromacy



Original Color

11.8715, 15.8642, 20.8487

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.7790, 13.7141, 16.4943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8715, 15.8642, 20.8487 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(54, 121, 122)` looks like.

```
.text, #text, p{  
    color:rgb(54, 121, 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(54, 121, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 121, 122) }
```

Border

The CSS property to change the border of an element to XYZ 11.8715, 15.8642, 20.8487 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(54, 121, 122) }
```


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

```
.border{ border-color:rgb(54, 121, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 121, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 121, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 121, 122);  
box-shadow:4px 4px 4px 4px rgb(54, 121,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8715, 15.8642, 20.8487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 121, 122) }
```

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

```
.background{ background-color: rgb(54, 121,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor