

Converting Colors

XYZ(11.7010, 15.5907, 20.9352)

Have a look what the booklet for
XYZ(11.7010, 15.5907, 20.9352)
contains.

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Color

**XYZ(11.6975, 15.5950,
20.8060)**

Conversions

Conversions Part 1

Format	Color
Hex	35787A
RGB	53, 120, 122
RGB Percent	21%, 47%, 48%
CMY	0.7921, 0.5294, 0.5216
CMYK	0.57, 0.02, 0.00, 0.52
HSL	182°, 39%, 34%
HSV	182°, 57%, 48%
XYZ	11.6975, 15.5950, 20.8060
YIQ	100.1950, -40.5740, -13.5820

Conversions

Conversions Part 2

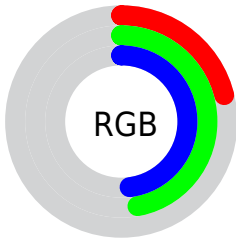
Format	Color
RYB	53, 87, 122
Decimal	3504250
CIELab	46.44, -20.42, -7.54
CIELCh	46, 21.773, 200.272
Yxy	15.5950, 0.2432, 0.3242
Android (android.graphics.Color)	4281694330 (0xFF35787A)
YUV	100.1950, 10.7499, -41.3900
Hunter-Lab	39.4905, -16.2348, -3.5942




Details

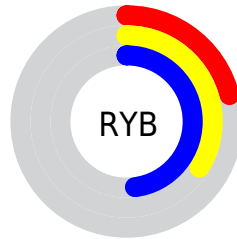
The XYZ color **11.6975, 15.5950, 20.8060** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0351, 7.1272, 4.2152**, and the grayscale version is **12.1441, 12.7765, 13.9137**.




A 20% lighter version of the original color is **28.6470, 36.0689, 45.4965**, and **3.4558, 4.9875, 7.0839** is the 20% darker color. If you saturate the color by 10%, you get **11.0938, 15.2212, 20.7659**, and if you desaturate by 10%, it is **12.4656, 16.0546, 20.8545**.

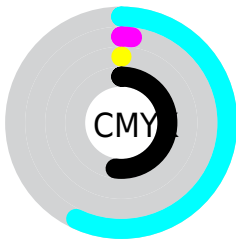
Distribution







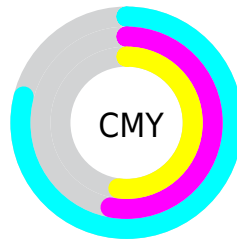
-  Red (21%)
-  Green (47%)
-  Blue (48%)






-  Red (21%)
-  Yellow (34%)
-  Blue (48%)



-  Cyan (57%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (52%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6975, 15.5950, 20.8060 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 11.6975, 15.5950, 20.8060 by changing the saturation by 10% instead.

■ 11.6975, 15.5950,
20.8060

■ 11.6975, 15.5950,
20.8060

■ 196.2033,
226.9399, 268.9928

■ 6.6088, 9.2380,
12.7924

■ 28.5646, 35.8937,
45.6410

■ 3.2628, 4.8968,
7.1567

■ 41.0737, 50.6041,
63.2996

■ 1.2942, 2.1868,
3.4804

■ 56.7870, 68.8679,
85.0101

■ 0.1789, 0.7128,
1.3448

■ 76.0698, 91.0694,
111.1913

■ 0.0000, 0.0000,
0.0981

■ 99.2875, 117.5929,
142.2616

■ 0.0000, 0.0000,
0.0000

■ 126.8054,

148.8229, 178.6396

158.9889,
185.1438, 220.7438

■ 11.6975, 15.5950,
20.8060

■ 11.6975, 15.5950,
20.8060

■ 11.0938, 15.2212,
20.7659

■ 12.4656, 16.0546,
20.8545

■ 10.6405, 14.9247,
20.7326

■ 13.4081, 16.6039,
20.9109

■ 10.3235, 14.6988,
20.7057

■ 14.5358, 17.2489,
20.9759

■ 10.1135, 14.5282,
20.6839

■ 15.8581, 17.9945,
21.0501

■ 10.0465, 14.4723,
20.6766

■ 17.3839, 18.8452,
21.1339

■ 19.1216, 19.8054,
21.2277

■ 21.0791, 20.8791,
21.3318

■ 23.2637, 22.0702,
21.4465

■ 25.6825, 23.3823,
21.5723

Harmonies

Analogous

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



11.5520, 15.5950, 15.2981



11.6975, 15.5950, 20.8060



12.6401, 15.5950, 26.2007

Triad

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



11.6975, 15.5950, 20.8060



17.7651, 15.5950, 24.4535



15.4388, 15.5950, 8.7152

Complementary

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



11.6975, 15.5950, 20.8060



10.0351, 7.1272, 4.2152

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.



17.2429, 15.5950, 10.2251



11.6975, 15.5950, 20.8060



18.6586, 15.5950, 18.7815

Square

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



11.6975, 15.5950, 20.8060



16.1043, 15.5950, 28.5949



18.4599, 15.5950, 13.6549



13.6108, 15.5950, 9.0331

Rectangle

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



11.6975, 15.5950, 20.8060



13.6410, 15.5950, 28.6422



18.4599, 15.5950, 13.6549



16.0704, 15.5950, 9.0112

Sweetspot

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



11.6980, 15.5956, 20.8064



27.6863, 31.5381, 37.0211



9.0974, 14.9440, 5.9138



6.2450, 7.1632, 8.4602



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.



11.6980, 15.5956, 20.8064



19.2439, 26.6033, 36.5136



8.3372, 8.8740, 19.6861



4.0976, 4.4935, 5.0945



10.5761, 15.2346, 21.7685



50.3361, 72.4448, 103.8000

Inverse Universe

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



12.6897, 8.0402, 18.6531



21.2015, 11.9775, 32.1985



12.2123, 11.4816, 4.9409



4.1497, 4.0756, 4.9860



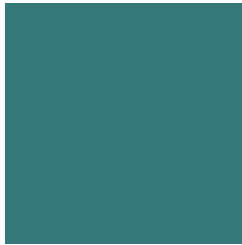
11.9217, 5.7448, 18.6761



56.8105, 27.3805, 88.7869

Previews

White Background



This preview shows how the XYZ color 11.6975, 15.5950, 20.8060 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 11.6975, 15.5950, 20.8060 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

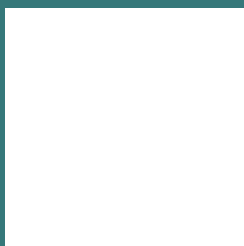
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6975, 15.5950, 20.8060

Background



This preview shows how black text looks on a background with the XYZ color 11.6975, 15.5950, 20.8060.



This preview shows how white text looks on a background with the XYZ color 11.6975, 15.5950,

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

11.6975, 15.5950, 20.8060

Protanopia

14.9936, 15.4901, 18.4193

Deuteranopia

15.7694, 15.5068, 21.5640



Tritanopia

12.1902, 15.6194, 23.1412

Trichromacy



Original Color

11.6975, 15.5950, 20.8060

Protanomaly

13.2950, 15.2421, 19.3808

Deuteranomaly

13.7466, 15.2677, 21.2912

Tritanomaly

11.9383, 15.5122, 22.1036

Monochromacy



Original Color

11.6975, 15.5950, 20.8060

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.5317, 13.4371, 16.1732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6975, 15.5950, 20.8060 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(53, 120, 122)` looks like.

```
.text, #text, p{  
    color:rgb(53, 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(53, 120, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 120, 122) }
```

Border

The CSS property to change the border of an element to XYZ 11.6975, 15.5950, 20.8060 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(53, 120, 122) }
```


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

```
.border{ border-color:rgb(53, 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(53, 120, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 120, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 120, 122);  
box-shadow:4px 4px 4px 4px rgb(53, 120,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6975, 15.5950, 20.8060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 120, 122) }
```

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

```
.background{ background-color: rgb(53, 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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