Converting Colors

XYZ(11.9719, 12.5967, 13.7152)

Have a look what the booklet for XYZ(11.9719, 12.5967, 13.7152) contains.

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Color

XYZ(11.8596, 12.4772, 13.5877)

Conversions

Format	Color
Hex	636363
RGB	99, 99, 99
RGB Percent	39%, 39%, 39%
CMY	0.6118, 0.6118, 0.6118
CMYK	0.00, 0.00, 0.00, 0.61
HSL	118°, 0%, 39%
HSV	118°, 0%, 39%
XYZ	11.8596, 12.4772, 13.5877
YIQ	99.0000, -0.0000, 0.0000

Conversions Part 1

Conversions

Conversions Part 2

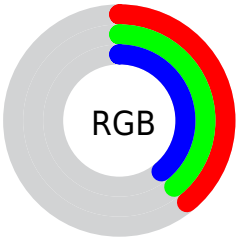
Format	Color
RYB	99, 99, 99
Decimal	6513507
CIELab	41.96, 0.00, -0.01
CIELCh	42, 0.006, 297.792
Yxy	12.4772, 0.3127, 0.3290
Android (android.graphics.Color)	4284703587 (0xFF636363)
YUV	99.0000, 0.0000, 0.0000
Hunter-Lab	35.3231, -1.8846, 1.9191

Details

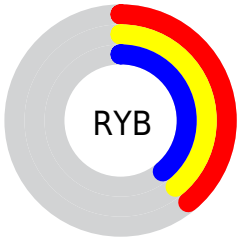
The XYZ color 11.8596, 12.4772, 13.5877 is a dark color, and the websafe version is hex 666666. A complement of this color would be 11.8600, 12.4775, 13.5883, and the grayscale version is 11.8600, 12.4777, 13.5882.

A 20% lighter version of the original color is 28.9890, 30.4987, 33.2131, and 3.3839, 3.5601, 3.8770 is the 20% darker color. If you saturate the color by 10%, you get 10.4234, 11.7885, 11.1994, and if you desaturate by 10%, it is 13.4805, 13.2551, 16.2881.

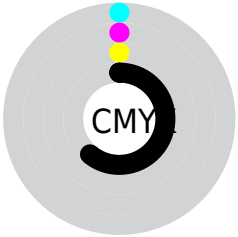
Distribution



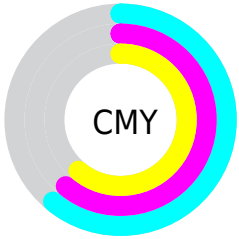
- Red (39%)
- Green (39%)
- Blue (39%)



- Red (39%)
- Yellow (39%)
- Blue (39%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (61%)



- Cyan (61%)
- Magenta (61%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8596, 12.4772, 13.5877 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 11.8596, 12.4772, 13.5877 by changing the saturation by 10% instead.

11.8596, 12.4772, 13.5877

11.8596, 12.4772, 13.5877

197.2625, 207.5394, 225.9891

6.7197, 7.0695, 7.6990

28.8582, 30.3613, 33.0622

3.3322, 3.5056, 3.8180

41.4476, 43.6065, 47.4850

1.3318, 1.4011, 1.5260

57.2509, 60.2331, 65.5897

0.2068, 0.2175, 0.2372

76.6333, 80.6253, 87.7947

0.0000, 0.0000, 0.0000

99.9604, 105.1677, 114.5187

127.5974,

134.2446, 146.1800

159.9096, 168.2403, 183.1973

11.8596, 12.4772, 13.5877

11.8596, 12.4772, 13.5877

10.4234, 11.7885, 11.1994

13.4805, 13.2551, 16.2881

9.1643, 11.1844, 9.1112

15.2912, 14.1235, 19.3105

8.0758, 10.6619, 7.3115

17.2980, 15.0859, 22.6652

7.1505, 10.2177, 5.7876

19.5065, 16.1448, 26.3620

6.3806, 9.8479, 4.5259

21.9221, 17.3030, 30.4102

5.7575, 9.5485, 3.5115

24.5500, 18.5629, 34.8188

5.2720, 9.3151, 2.7284

27.3952, 19.9269, 39.5962

4.9136, 9.1426, 2.1582

30.4626, 21.3973, 44.7509

4.6705, 9.0253, 1.7802

33.7569, 22.9763, 50.2910

Harmonies

Analogous

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

11.8592, 12.4772, 13.5880

11.8596, 12.4772, 13.5877

11.8599, 12.4772, 13.5868

Triad

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

11.8596, 12.4772, 13.5877

11.8597, 12.4772, 13.5835

11.8584, 12.4772, 13.5855

Complementary

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

11.8596, 12.4772, 13.5877

11.8600, 12.4775, 13.5883

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.

11.8585, 12.4772, 13.5843

11.8596, 12.4772, 13.5877

11.8592, 12.4772, 13.5831

Square

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

11.8596, 12.4772, 13.5877

11.8600, 12.4772, 13.5844

11.8588, 12.4772, 13.5834

11.8585, 12.4772, 13.5867

Rectangle

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

11.8596, 12.4772, 13.5877

11.8600, 12.4772, 13.5861

11.8588, 12.4772, 13.5834

11.8584, 12.4772, 13.5850

Sweetspot

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

11.8600, 12.4777, 13.5880

20.3446, 21.4041, 23.3091

11.8601, 12.4778, 13.5880

4.8358, 5.0876, 5.5404

49.6657, 52.2522, 56.9026

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

11.8600, 12.4777, 13.5880

20.3446, 21.4041, 23.3091

11.8600, 12.4777, 13.5882

2.8585, 3.0074, 3.2751

5.8522, 11.6511, 1.9404

31.1486, 62.1833, 10.3609

Inverse Universe

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

11.8600, 12.4775, 13.5883

20.3446, 21.4041, 23.3091

11.8600, 12.4775, 13.5881

2.8585, 3.0074, 3.2751

9.2829, 4.4464, 15.7567

49.4725, 23.6922, 84.1702

Previews

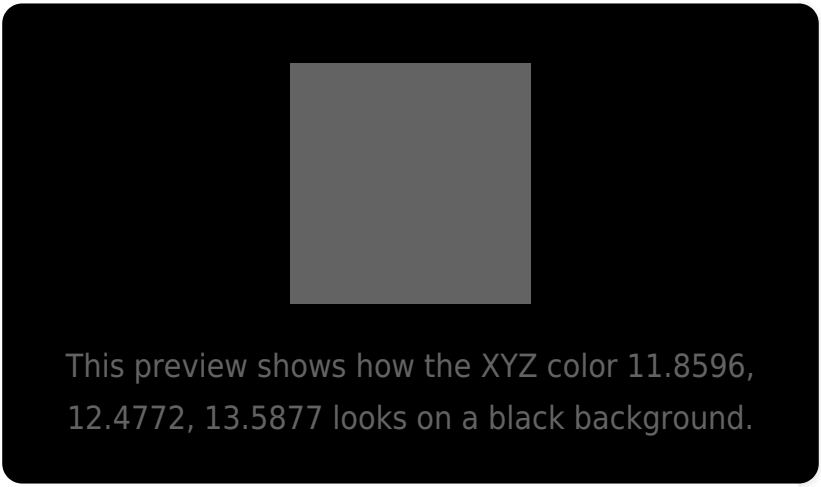
White Background

This preview shows how the XYZ color 11.8596, 12.4772, 13.5877 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

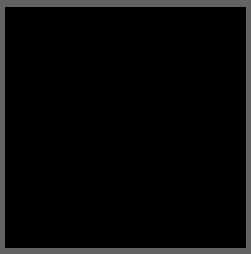


Color Contrast Check

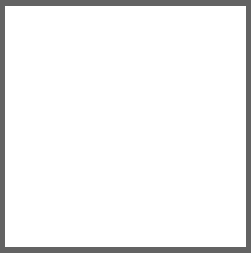
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 11.8596, 12.4772, 13.5877 Background



This preview shows how black text looks on a background with the XYZ color 11.8596, 12.4772, 13.5877.



This preview shows how white text looks on a background with the XYZ color 11.8596, 12.4772,

13.5877.

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
11.8596, 12.4772, 13.5877

Protanopia
11.9866, 12.4029, 13.5666

Deuteranopia
12.6675, 12.4740, 13.7967

Tritanopia
12.2247, 12.4853, 15.4013

Trichromacy

Original Color
11.8596, 12.4772, 13.5877

Protanomaly
11.8753, 12.3455, 13.5614

Deuteranomaly
12.4006, 12.4727, 13.8105

Tritanomaly
12.0714, 12.4240, 14.5938

Monochromacy

Original Color
11.8596, 12.4772, 13.5877

Achromatopsia
11.8596, 12.4772, 13.5877

Achromatomaly
11.8596, 12.4772, 13.5877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8596, 12.4772, 13.5877 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(99, 99, 99) looks like.

```
.text, #text, p{
    color:rgb(99, 99, 99)
}
```

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(99, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 99, 99) }
```

Border

The CSS property to change the border of an element to XYZ 11.8596, 12.4772, 13.5877 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(99, 99, 99) }
```

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

```
.border{ border-color:rgb(99, 99, 99) }
```

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

Here you see how a box with a 4 pixel rgb(99, 99, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 99, 99); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 99, 99); box-shadow:4px 4px 4px 4px rgb(99, 99, 99) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8596, 12.4772, 13.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(99, 99, 99) }
```

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

```
.background{ background-color:rgb(99, 99,
99) }
```

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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