

Converting Colors

XYZ(11.8319, 12.6485, 13.8036)

Have a look what the booklet for
XYZ(11.8319, 12.6485, 13.8036)
contains.

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Color

**XYZ(11.7872, 12.5758,
13.8627)**

Conversions

Conversions Part 1

Format	Color
Hex	616464
RGB	97, 100, 100
RGB Percent	38%, 39%, 39%
CMY	0.6196, 0.6078, 0.6078
CMYK	0.03, 0.00, 0.00, 0.61
HSL	180°, 2%, 39%
HSV	180°, 3%, 39%
XYZ	11.7872, 12.5758, 13.8627
YIQ	99.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

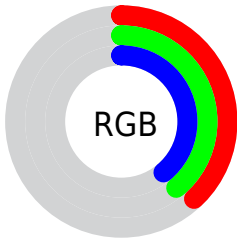
Format	Color
R_{YB}	97, 99, 100
Decimal	6382692
CIE _{Lab}	42.12, -1.16, -0.41
CIE _{LCh}	42, 1.234, 199.526
Yxy	12.5758, 0.3084, 0.3290
Android (android.graphics.Color)	4284572772 (0xFF616464)
YUV	99.1030, 0.4422, -1.8443
Hunter-Lab	35.4624, -2.7282, 1.6464

Details

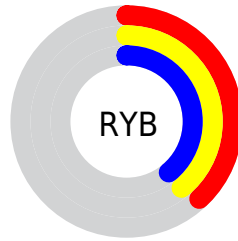
The XYZ color **11.7872, 12.5758, 13.8627** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6884, 12.1222, 13.0337**, and the grayscale version is **11.8852, 12.5042, 13.6170**.

A 20% lighter version of the original color is **28.8653, 30.6635, 33.6754**, and **3.2809, 3.5071, 3.8722** is the 20% darker color. If you saturate the color by 10%, you get **10.7880, 12.0611, 13.8149**, and if you desaturate by 10%, it is **12.9215, 13.1609, 13.9173**.

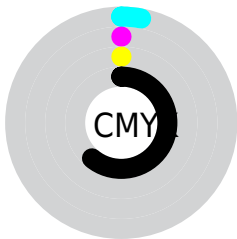
Distribution



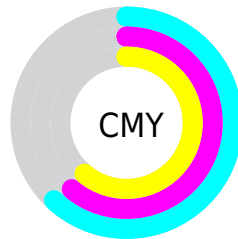
- Red (38%)
- Green (39%)
- Blue (39%)



- Red (38%)
- Yellow (39%)
- Blue (39%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (61%)



- Cyan (62%)
- Magenta (61%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7872, 12.5758, 13.8627 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 11.7872, 12.5758, 13.8627 by changing the saturation by 10% instead.

■ 11.7872, 12.5758,
13.8627

■ 11.7872, 12.5758,
13.8627

196.7902,
208.1808, 227.7737

■ 6.6701, 7.1371,
7.8876

■ 28.7272, 30.5396,
33.5588

■ 3.3011, 3.5480,
3.9364

■ 41.2808, 43.8334,
48.1169

■ 1.3149, 1.4241,
1.5905

■ 57.0439, 60.5144,
66.3730

■ 0.1944, 0.2344,
0.2840

■ 76.3819, 80.9670,
88.7458

■ 0.0000, 0.0000,
0.0000

99.6602, 105.5755,
115.6537

127.2441,

134.7244, 147.5153

159.4990,
168.7981, 184.7491

■ 11.7872, 12.5758,
13.8627

■ 11.7872, 12.5758,
13.8627

■ 10.7880, 12.0611,
13.8149

■ 12.9215, 13.1609,
13.9173

■ 9.9178, 11.6125,
13.7729

■ 14.1945, 13.8171,
13.9782

■ 9.1717, 11.2279,
13.7367

■ 15.6111, 14.5473,
14.0458

■ 8.5440, 10.9044,
13.7060

■ 17.1755, 15.3538,
14.1203

■ 8.0287, 10.6387,
13.6806

■ 18.8919, 16.2386,
14.2019

■ 7.6191, 10.4276,
13.6601

■ 20.7643, 17.2038,
14.2908

■ 7.3079, 10.2672,
13.6443

■ 22.7963, 18.2514,
14.3872

■ 7.0868, 10.1533,
13.6326

■ 24.9918, 19.3831,
14.4913

■ 6.9431, 10.0792,
13.6246

■ 27.3542, 20.6010,
14.6031

Harmonies

Analogous

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



11.7801, 12.5758, 13.6011



11.7872, 12.5758, 13.8627



11.8386, 12.5758, 14.0814

Triad

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



11.7872, 12.5758, 13.8627



12.0878, 12.5758, 14.0239



11.9851, 12.5758, 13.2014

Complementary

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



11.7872, 12.5758, 13.8627



11.6884, 12.1222, 13.0337

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.



12.0680, 12.5758, 13.3117



11.7872, 12.5758, 13.8627



12.1275, 12.5758, 13.7851

Square

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



11.7872, 12.5758, 13.8627



12.0121, 12.5758, 14.1753



12.1202, 12.5758, 13.5245



11.8940, 12.5758, 13.2216

Rectangle

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



11.7872, 12.5758, 13.8627



11.8912, 12.5758, 14.1724



12.1202, 12.5758, 13.5245



12.0148, 12.5758, 13.2244

Sweetspot

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



11.7876, 12.5763, 13.8630



21.0371, 22.2391, 24.3203



11.6503, 12.5221, 13.1125



5.1804, 5.4742, 5.9843



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.7876, 12.5763, 13.8630



20.4570, 21.9401, 24.2924



11.6497, 12.3006, 13.8174



3.0216, 3.2460, 3.5991



9.1790, 13.4352, 18.2361



47.8726, 70.0716, 95.1057

Inverse Universe

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



11.6884, 12.1222, 13.0337



20.2201, 20.8554, 22.3118



11.8236, 12.3927, 13.0784



2.9836, 3.0719, 3.2811



7.0377, 3.6280, 0.3310



36.7045, 18.9218, 1.7213

Previews

White Background



This preview shows how the XYZ color 11.7872, 12.5758, 13.8627 looks on a white background.

Color Contrast Check

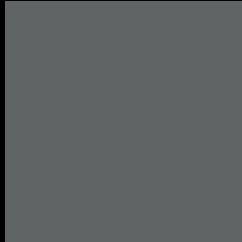
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7872, 12.5758, 13.8627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

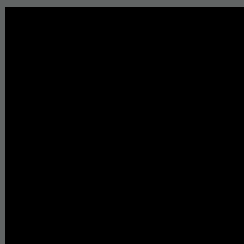
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

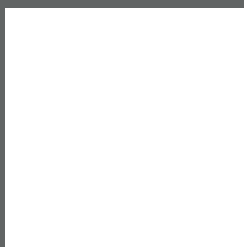
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7872, 12.5758, 13.8627

Background



This preview shows how black text looks on a background with the XYZ color 11.7872, 12.5758, 13.8627.



This preview shows how white text looks on a background with the XYZ color 11.7872, 12.5758,

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

11.7872, 12.5758, 13.8627

Protanopia

12.0808, 12.5912, 13.5980

Deuteranopia

12.7162, 12.4935, 14.0532



Tritanopia

12.1527, 12.5819, 15.6979

Trichromacy

**Original Color**

11.7872, 12.5758, 13.8627

Protanomaly

11.9695, 12.5339, 13.5928

Deuteranomaly

12.3326, 12.4320, 14.0615

Tritanomaly

11.9975, 12.5198, 14.8809

Monochromacy

**Original Color**

11.7872, 12.5758, 13.8627

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7510, 12.4212, 13.5826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7872, 12.5758, 13.8627 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(97, 100, 100)` looks like.

```
.text, #text, p{  
    color:rgb(97, 100, 100)  
}
```

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(97, 100, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 100, 100) }
```

Border

The CSS property to change the border of an element to XYZ 11.7872, 12.5758, 13.8627 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(97, 100, 100) }
```


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

```
.border{ border-color:rgb(97, 100, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 100, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 100, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 100, 100);  
box-shadow:4px 4px 4px 4px rgb(97, 100,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7872, 12.5758, 13.8627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 100, 100) }
```

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

```
.background{ background-color: rgb(97, 100,  
100) }
```

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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