

Converting Colors

XYZ(11.9313, 13.0538, 11.4199)

Have a look what the booklet for
XYZ(11.9313, 13.0538, 11.4199)
contains.

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Color

**XYZ(11.9214, 12.9907,
11.3303)**

Conversions

Conversions Part 1

Format	Color
Hex	656659
RGB	101, 102, 89
RGB Percent	40%, 40%, 35%
CMY	0.6039, 0.6000, 0.6510
CMYK	0.01, 0.00, 0.13, 0.60
HSL	65°, 7%, 37%
HSV	65°, 13%, 40%
XYZ	11.9214, 12.9907, 11.3303
YIQ	100.2190, 3.5770, -4.2550

Conversions

Conversions Part 2

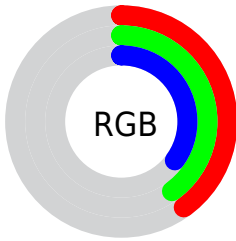
Format	Color
R_{YB}	89, 102, 90
Decimal	6645337
CIE Lab	42.75, -2.95, 7.22
CIE LCh	43, 7.798, 112.192
Yxy	12.9907, 0.3289, 0.3584
Android (android.graphics.Color)	4284835417 (0xFF656659)
YUV	100.2190, -5.5310, 0.6849
Hunter-Lab	36.0426, -4.0342, 6.5915

Details

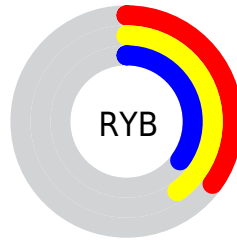
The XYZ color **11.9214, 12.9907, 11.3303** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.1875, 10.2780, 14.0179**, and the grayscale version is **12.1824, 12.8168, 13.9575**.

A 20% lighter version of the original color is **29.0003, 31.3219, 28.9434**, and **3.3421, 3.6985, 2.9206** is the 20% darker color. If you saturate the color by 10%, you get **11.4350, 12.7865, 9.2245**, and if you desaturate by 10%, it is **12.4687, 13.2203, 13.7494**.

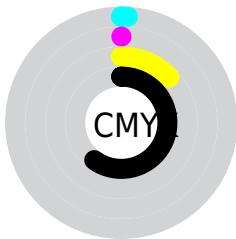
Distribution



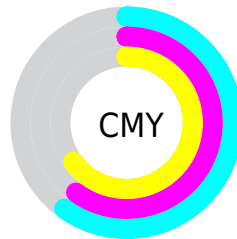
- Red (40%)
- Green (40%)
- Blue (35%)



- Red (35%)
- Yellow (40%)
- Blue (35%)



- Cyan (1%)
- Magenta (0%)
- Yellow (13%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9214, 12.9907, 11.3303 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 11.9214, 12.9907, 11.3303 by changing the saturation by 10% instead.

■ 11.9214, 12.9907,
11.3303

■ 11.9214, 12.9907,
11.3303

197.6648,
210.8581, 210.7379

■ 6.7620, 7.4221,
6.1725

■ 28.9700, 31.2871,
28.9153

■ 3.3587, 3.7275,
2.8798

■ 41.5898, 44.7837,
42.1795

■ 1.3462, 1.5223,
1.0336

■ 57.4273, 61.6918,
58.9830

■ 0.2174, 0.3044,
0.0000

■ 76.8476, 82.3957,
79.7443

■ 0.0000, 0.0000,
0.0000

■ 100.2161,
107.2799, 104.8819

127.8983,

136.7288, 134.8143

160.2594,
171.1267, 169.9602

■ 11.9214, 12.9907,
11.3303

■ 11.9214, 12.9907,
11.3303

■ 11.4350, 12.7865,
9.2245

■ 12.4687, 13.2203,
13.7494

■ 11.0061, 12.6049,
7.4183

■ 13.0782, 13.4744,
16.4930

■ 10.6323, 12.4454,
5.8984

■ 13.7523, 13.7544,
19.5728

■ 10.3109, 12.3071,
4.6500

■ 14.4932, 14.0613,
22.9996

■ 10.0389, 12.1885,
3.6572

■ 15.3028, 14.3957,
26.7838

■ 9.8129, 12.0885,
2.9022

■ 16.1830, 14.7585,
30.9354

■ 9.6290, 12.0054,
2.3650

■ 17.1357, 15.1504,
35.4638

■ 9.4819, 11.9371,
2.0168

■ 18.1625, 15.5720,
40.3783

■ 9.3826, 11.8906,
1.8006

■ 19.2651, 16.0241,
45.6877

Harmonies

Analogous

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



12.5029, 12.9907, 11.1487



11.9214, 12.9907, 11.3303



11.4678, 12.9907, 12.2351

Triad

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



11.9214, 12.9907, 11.3303



11.6611, 12.9907, 16.8859



13.5122, 12.9907, 14.5931

Complementary

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



11.9214, 12.9907, 11.3303



10.1875, 10.2780, 14.0179

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.



13.2706, 12.9907, 16.2433



11.9214, 12.9907, 11.3303



12.1930, 12.9907, 17.6344

Square

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



11.9214, 12.9907, 11.3303



11.3209, 12.9907, 15.4149



12.7832, 12.9907, 17.3903



13.4339, 12.9907, 12.9462

Rectangle

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



11.9214, 12.9907, 11.3303



11.2928, 12.9907, 13.1689



12.7832, 12.9907, 17.3903



13.4655, 12.9907, 15.1674

Sweetspot

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



11.9218, 12.9913, 11.3306



21.7286, 23.1267, 23.4987



10.9280, 10.8362, 10.9670



5.1123, 5.4501, 5.4830



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.



11.9218, 12.9913, 11.3306



20.6678, 22.6822, 18.8261



11.2363, 12.6379, 11.2985



3.0205, 3.2578, 3.0441



12.0355, 15.2632, 2.3118



62.4397, 79.4348, 12.0415

Inverse Universe

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



10.1875, 10.2780, 14.0179



17.0499, 17.0217, 24.4326



10.8336, 10.6111, 14.0482



2.7106, 2.7729, 3.5243



3.1908, 1.2891, 16.2250



16.3266, 6.5609, 84.6073

Previews

White Background



This preview shows how the XYZ color 11.9214, 12.9907, 11.3303 looks on a white background.

Color Contrast Check

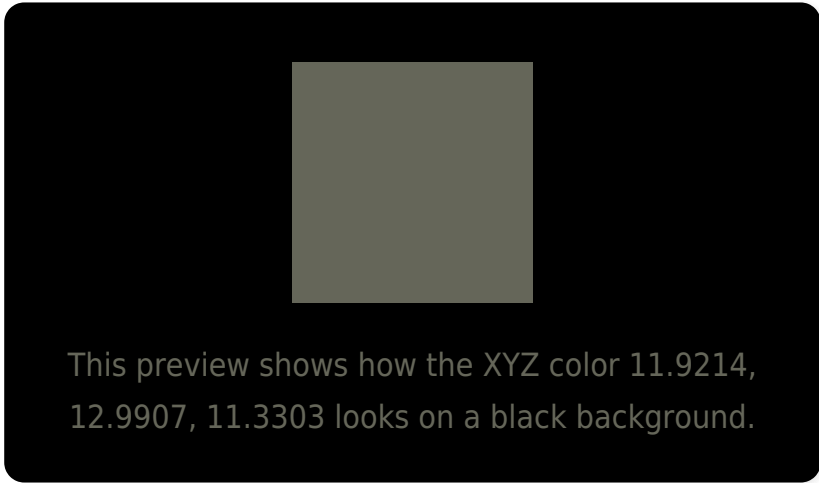
Large Text (above 18pt) WCAG AA ✓ Pass

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

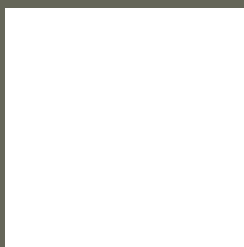
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9214, 12.9907, 11.3303

Background



This preview shows how black text looks on a background with the XYZ color 11.9214, 12.9907, 11.3303.



This preview shows how white text looks on a background with the XYZ color 11.9214, 12.9907,

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

11.9214, 12.9907, 11.3303

Protanopia

12.3590, 13.0761, 11.1051

Deuteranopia

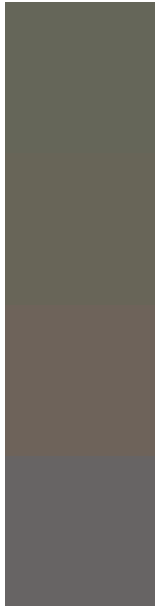
13.1904, 12.9324, 11.4739



Tritanopia

12.8246, 12.9283, 15.7294

Trichromacy



Original Color

11.9214, 12.9907, 11.3303

Protanomaly

12.1241, 12.9550, 11.0941

Deuteranomaly

12.7377, 12.9769, 11.5063

Tritanomaly

12.4509, 12.9180, 13.8938

Monochromacy



Original Color

11.9214, 12.9907, 11.3303

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0205, 12.8612, 12.9152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9214, 12.9907, 11.3303 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(101, 102, 89)` looks like.

```
.text, #text, p{  
    color:rgb(101, 102, 89)  
}
```

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(101, 102, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 102, 89) }
```

Border

The CSS property to change the border of an element to XYZ 11.9214, 12.9907, 11.3303 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(101, 102, 89) }
```


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

```
.border{ border-color:rgb(101, 102, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 102, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 102, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 102, 89);  
box-shadow:4px 4px 4px 4px rgb(101, 102,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9214, 12.9907, 11.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 102, 89) }
```

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

```
.background{ background-color: rgb(101,  
102, 89) }
```

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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