

Converting Colors

XYZ(11.8003, 12.9286, 10.1873)

Have a look what the booklet for
XYZ(11.8003, 12.9286, 10.1873)
contains.

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Color

**XYZ(11.8311, 12.9676,
10.2669)**

Conversions

Conversions Part 1

Format	Color
Hex	666654
RGB	102, 102, 84
RGB Percent	40%, 40%, 33%
CMY	0.6000, 0.6000, 0.6706
CMYK	0.00, 0.00, 0.18, 0.60
HSL	60°, 10%, 36%
HSV	60°, 18%, 40%
XYZ	11.8311, 12.9676, 10.2669
YIQ	99.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

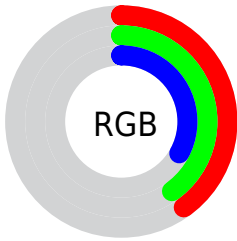
Format	Color
R_{YB}	84, 102, 84
Decimal	6710868
CIE _{Lab}	42.71, -3.43, 10.20
CIE _{LCh}	43, 10.761, 108.580
Yxy	12.9676, 0.3374, 0.3698
Android (android.graphics.Color)	4284900948 (0xFF666654)
YUV	99.9480, -7.8624, 1.7996
Hunter-Lab	36.0106, -4.3731, 8.3033

Details

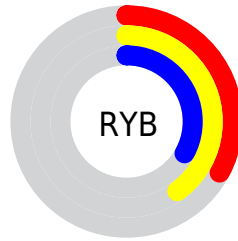
The XYZ color **11.8311, 12.9676, 10.2669** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.2252, 9.1851, 13.8577**, and the grayscale version is **12.1185, 12.7496, 13.8843**.

A 20% lighter version of the original color is **28.8312, 31.2760, 27.0716**, and **3.3079, 3.6911, 2.4576** is the 20% darker color. If you saturate the color by 10%, you get **11.4604, 12.8197, 8.3138**, and if you desaturate by 10%, it is **12.2607, 13.1399, 12.5271**.

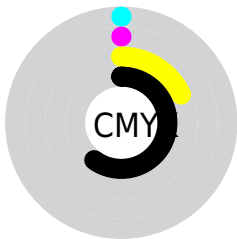
Distribution



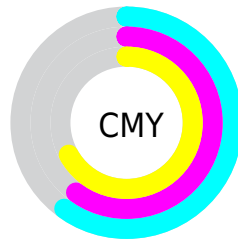
- Red (40%)
- Green (40%)
- Blue (33%)



- Red (33%)
- Yellow (40%)
- Blue (33%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8311, 12.9676, 10.2669 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 11.8311, 12.9676, 10.2669 by changing the saturation by 10% instead.

■ 11.8311, 12.9676,
10.2669

■ 11.8311, 12.9676,
10.2669

197.0767,
210.7099, 203.1200

■ 6.7002, 7.4062,
5.4684

■ 28.8066, 31.2456,
26.9119

■ 3.3199, 3.7174,
2.4611

■ 41.3820, 44.7310,
39.5955

■ 1.3251, 1.5168,
0.8194

■ 57.1694, 61.6265,
55.7446

■ 0.2019, 0.3005,
0.0000

■ 76.5344, 82.3165,
75.7775

■ 0.0000, 0.0000,
0.0000

■ 99.8423, 107.1855,
100.1130

127.4584,

136.6178, 129.1696

159.7481,
170.9978, 163.3658

■ 11.8311, 12.9676,
10.2669

■ 11.8311, 12.9676,
10.2669

■ 11.4604, 12.8197,
8.3138

■ 12.2607, 13.1399,
12.5271

■ 11.1450, 12.6936,
6.6538

■ 12.7506, 13.3359,
15.1059

■ 10.8826, 12.5886,
5.2729

■ 13.3032, 13.5569,
18.0153

■ 10.6704, 12.5037,
4.1558

■ 13.9207, 13.8039,
21.2664

■ 10.5050, 12.4375,
3.2858

■ 14.6051, 14.0777,
24.8699

■ 10.3831, 12.3887,
2.6441

■ 15.3584, 14.3791,
28.8359

■ 10.3004, 12.3556,
2.2093

■ 16.1824, 14.7086,
33.1740

■ 10.2433, 12.3328,
1.9095

■ 17.0788, 15.0672,
37.8938

■ 10.2301, 12.3275,
1.8403

■ 18.0493, 15.4555,
43.0041

Harmonies

Analogous

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



12.6393, 12.9676, 10.1497



11.8311, 12.9676, 10.2669



11.1835, 12.9676, 11.3451

Triad

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



11.8311, 12.9676, 10.2669



11.3141, 12.9676, 17.7725



13.9316, 12.9676, 15.0300

Complementary

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



11.8311, 12.9676, 10.2669



9.2252, 9.1851, 13.8577

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.



13.5423, 12.9676, 17.3130



11.8311, 12.9676, 10.2669



12.0166, 12.9676, 19.0092

Square

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



11.8311, 12.9676, 10.2669



10.8942, 12.9676, 15.6034



12.8331, 12.9676, 18.8323



13.8765, 12.9676, 12.7328

Rectangle

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



11.8311, 12.9676, 10.2669



10.9188, 12.9676, 12.5380



12.8331, 12.9676, 18.8323



13.8477, 12.9676, 15.8287

Sweetspot

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



11.8314, 12.9682, 10.2672



21.7065, 23.1253, 23.0481



10.2504, 9.8058, 9.7401



5.1112, 5.4516, 5.3868



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.



11.8314, 12.9682, 10.2672



20.4794, 22.6344, 16.5879



10.8663, 12.4706, 10.2220



3.0402, 3.2679, 3.0450



13.1380, 15.8316, 2.3634



68.5211, 82.5699, 12.3261

Inverse Universe

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



9.2252, 9.1851, 13.8577



15.0298, 14.7241, 24.0956



10.0832, 9.6274, 13.8979



2.6929, 2.7637, 3.5235



3.0803, 1.2321, 16.2198



16.0649, 6.4260, 84.5950

Previews

White Background



This preview shows how the XYZ color 11.8311, 12.9676, 10.2669 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 11.8311, 12.9676, 10.2669 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

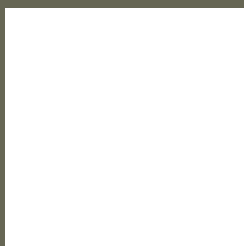
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8311, 12.9676, 10.2669

Background



This preview shows how black text looks on a background with the XYZ color 11.8311, 12.9676, 10.2669.



This preview shows how white text looks on a background with the XYZ color 11.8311, 12.9676,

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

11.8311, 12.9676, 10.2669

Protanopia

12.2784, 13.0577, 10.0569

Deuteranopia

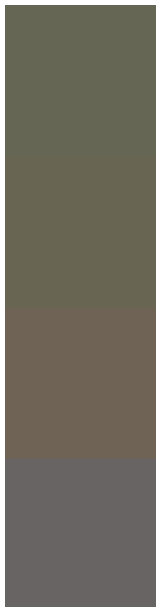
13.1168, 12.9183, 10.3965



Tritanopia

12.9414, 12.9885, 15.7349

Trichromacy



Original Color

11.8311, 12.9676, 10.2669

Protanomaly

12.0407, 12.9352, 10.0457

Deuteranomaly

12.6571, 12.9591, 10.4286

Tritanomaly

12.5182, 12.9583, 13.6458

Monochromacy



Original Color

11.8311, 12.9676, 10.2669

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0409, 12.8822, 12.4416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8311, 12.9676, 10.2669 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(102, 102, 84)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 84)  
}
```

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(102, 102, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 84) }
```

Border

The CSS property to change the border of an element to XYZ 11.8311, 12.9676, 10.2669 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(102, 102, 84) }
```


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

```
.border{ border-color:rgb(102, 102, 84) }
```

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

Here you see how a box with a 4 pixel rgb(102, 102, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 84);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8311, 12.9676, 10.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 84) }
```

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

```
.background{ background-color: rgb(102,  
102, 84) }
```

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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