

Converting Colors

XYZ(11.9505, 12.2413, 12.9680)

Have a look what the booklet for
XYZ(11.9505, 12.2413, 12.9680)
contains.

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Color

**XYZ(12.0259, 12.2960,
13.0488)**

Conversions

Conversions Part 1

Format	Color
Hex	676161
RGB	103, 97, 97
RGB Percent	40%, 38%, 38%
CMY	0.5961, 0.6196, 0.6196
CMYK	0.00, 0.06, 0.06, 0.60
HSL	0°, 3%, 39%
HSV	0°, 6%, 40%
XYZ	12.0259, 12.2960, 13.0488
YIQ	98.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

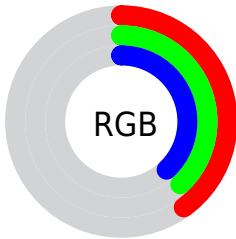
Format	Color
R_{YB}	103, 97, 97
Decimal	6775137
CIE _{Lab}	41.68, 2.38, 0.85
CIE _{LCh}	42, 2.527, 19.601
Yxy	12.2960, 0.3218, 0.3290
Android (android.graphics.Color)	4284965217 (0xFF676161)
YUV	98.7940, -0.8844, 3.6887
Hunter-Lab	35.0657, -0.1476, 2.4827

Details

The XYZ color **12.0259, 12.2960, 13.0488** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2282, 13.2211, 14.7396**, and the grayscale version is **11.8097, 12.4247, 13.5305**.

A 20% lighter version of the original color is **29.2616, 30.1880, 32.3016**, and **3.4123, 3.4474, 3.6175** is the 20% darker color. If you saturate the color by 10%, you get **10.6861, 10.3356, 10.3846**, and if you desaturate by 10%, it is **13.5523, 14.5295, 16.0832**.

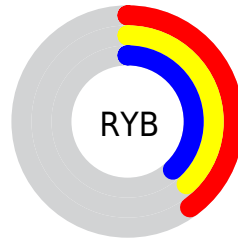
Distribution



Red (40%)

Green (38%)

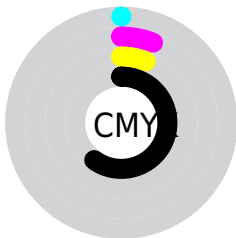
Blue (38%)



Red (40%)

Yellow (38%)

Blue (38%)

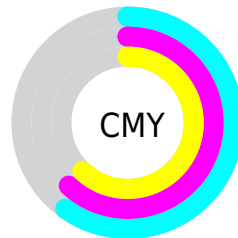


Cyan (0%)

Magenta (6%)

Yellow (6%)

Black (60%)



Cyan (60%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0259, 12.2960, 13.0488 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 12.0259, 12.2960, 13.0488 by changing the saturation by 10% instead.

■ 12.0259, 12.2960,
13.0488

■ 12.0259, 12.2960,
13.0488

198.3431,
206.3552, 222.4490

■ 6.8336, 6.9456,
7.3310

■ 29.1587, 30.0331,
32.0839

■ 3.4037, 3.4281,
3.5884

■ 41.8300, 43.1885,
46.2383

■ 1.3707, 1.3591,
1.4024

■ 57.7250, 59.7145,
64.0420

■ 0.2352, 0.1863,
0.1436

■ 77.2090, 79.9953,
85.9136

■ 0.0000, 0.0000,
0.0000

100.6475,
104.4154, 112.2715

128.4058,

133.3591, 143.5344

160.8492,
167.2109, 180.1207

■ 12.0259, 12.2960,
13.0488

■ 12.0259, 12.2960,
13.0488

■ 10.6861, 10.3356,
10.3846

■ 13.5523, 14.5295,
16.0832

■ 9.5247, 8.6363,
8.0757

■ 15.2710, 17.0443,
19.5005

■ 8.5346, 7.1875,
6.1073

■ 17.1888, 19.8503,
23.3135

■ 7.7077, 5.9775,
4.4634

■ 19.3116, 22.9564,
27.5344

■ 7.0352, 4.9934,
3.1264

■ 21.6454, 26.3711,
32.1747

■ 6.5075, 4.2211,
2.0775

■ 24.1958, 30.1026,
37.2457

■ 6.1140, 3.6453,
1.2954

■ 26.9680, 34.1589,
42.7580

■ 5.8426, 3.2481,
0.7561

■ 29.9674, 38.5475,
48.7220

■ 5.6641, 2.9870,
0.4015

■ 33.1990, 43.2757,
55.1476

Harmonies

Analogous

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



12.0410, 12.2960, 13.5733



12.0259, 12.2960, 13.0488



11.9195, 12.2960, 12.6260

Triad

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



12.0259, 12.2960, 13.0488



11.4177, 12.2960, 12.7377



11.6228, 12.2960, 14.4173

Complementary

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



12.0259, 12.2960, 13.0488



12.2282, 13.2211, 14.7396

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.



11.4575, 12.2960, 14.1806



12.0259, 12.2960, 13.0488



11.3400, 12.2960, 13.2049

Square

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



12.0259, 12.2960, 13.0488



11.5678, 12.2960, 12.4497



11.3545, 12.2960, 13.7335



11.8069, 12.2960, 14.3729

Rectangle

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



12.0259, 12.2960, 13.0488



11.8116, 12.2960, 12.4543



11.3545, 12.2960, 13.7335



11.5632, 12.2960, 14.3678

Sweetspot

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



12.0262, 12.2965, 13.0491



22.5235, 23.4658, 25.3328



12.3166, 12.4124, 14.5789



5.5064, 5.7415, 6.2029



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.0262, 12.2965, 13.0491



21.1833, 21.5048, 22.6681



12.3086, 12.8612, 13.1432



2.8901, 2.9351, 3.0951



7.0377, 3.6286, 0.3295



36.7045, 18.9230, 1.7180

Inverse Universe

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



12.2282, 13.2211, 14.7396



21.6268, 23.5347, 26.3799



11.9353, 12.6352, 14.6420



2.9499, 3.2090, 3.5959



9.1788, 13.4294, 18.2527



47.8713, 70.0392, 95.1972

Previews

White Background



This preview shows how the XYZ color 12.0259, 12.2960, 13.0488 looks on a white background.

Color Contrast Check

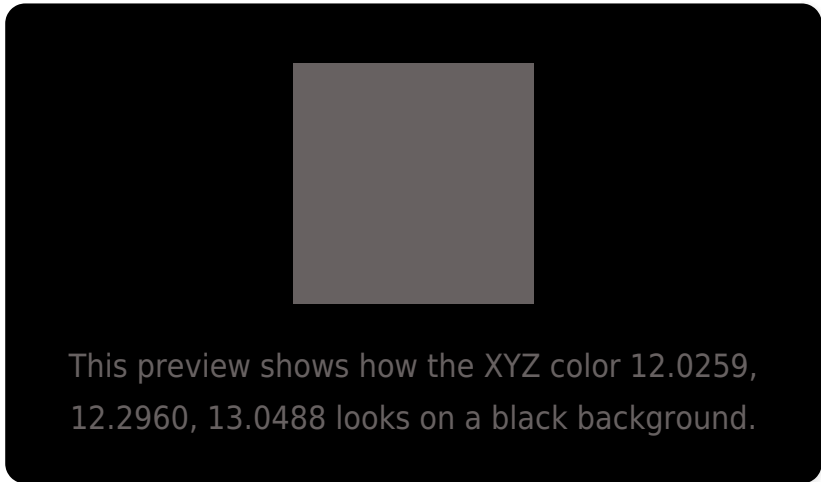
Large Text (above 18pt) WCAG AA ✓ Pass

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

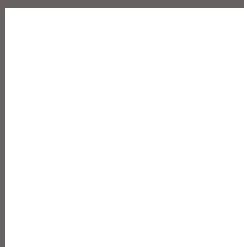
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0259, 12.2960, 13.0488

Background



This preview shows how black text looks on a background with the XYZ color 12.0259, 12.2960, 13.0488.



This preview shows how white text looks on a background with the XYZ color 12.0259, 12.2960,

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

12.0259, 12.2960, 13.0488

Protanopia

11.7809, 12.3078, 13.0640

Deuteranopia

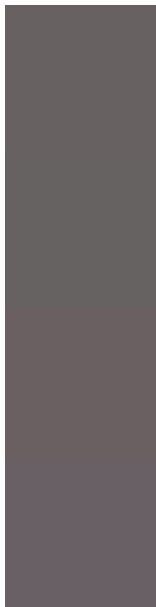
12.4342, 12.2356, 13.0156



Tritanopia

12.3905, 12.3083, 14.8194

Trichromacy



Original Color

12.0259, 12.2960, 13.0488

Protanomaly

11.8922, 12.3651, 13.0692

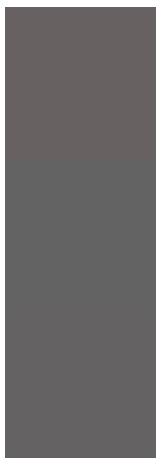
Deuteranomaly

12.2844, 12.2930, 13.0346

Tritanomaly

12.2408, 12.2484, 14.0309

Monochromacy



Original Color

12.0259, 12.2960, 13.0488

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8278, 12.3265, 13.3111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0259, 12.2960, 13.0488 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(103, 97, 97)` looks like.

```
.text, #text, p{  
    color:rgb(103, 97, 97)  
}
```

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(103, 97, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 97, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.0259, 12.2960, 13.0488 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(103, 97, 97) }
```


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

```
.border{ border-color:rgb(103, 97, 97) }
```

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

Here you see how a box with a 4 pixel rgb(103, 97, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 97, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 97, 97);  
box-shadow:4px 4px 4px 4px rgb(103, 97,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0259, 12.2960, 13.0488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 97, 97) }
```

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

```
.background{ background-color: rgb(103, 97,  
97) }
```

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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