

Converting Colors

XYZ(12.2956, 12.4593, 13.4247)

Have a look what the booklet for
XYZ(12.2956, 12.4593, 13.4247)
contains.

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Color

**XYZ(12.3050, 12.4345,
13.3068)**

Conversions

Conversions Part 1

Format	Color
Hex	696162
RGB	105, 97, 98
RGB Percent	41%, 38%, 38%
CMY	0.5882, 0.6196, 0.6157
CMYK	0.00, 0.08, 0.07, 0.59
HSL	353°, 4%, 40%
HSV	353°, 8%, 41%
XYZ	12.3050, 12.4345, 13.3068
YIQ	99.5060, 4.4470, 2.0070

Conversions

Conversions Part 2

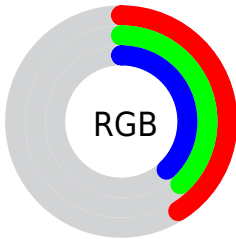
Format	Color
R_{YB}	105, 97, 98
Decimal	6906210
CIE Lab	41.90, 3.38, 0.57
CIE LCh	42, 3.426, 9.647
Yxy	12.4345, 0.3234, 0.3268
Android (android.graphics.Color)	4285096290 (0xFF696162)
YUV	99.5060, -0.7425, 4.8182
Hunter-Lab	35.2626, 0.5787, 2.3100

Details

The XYZ color **12.3050, 12.4345, 13.3068** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4805, 13.6443, 15.0733**, and the grayscale version is **11.9889, 12.6132, 13.7358**.

A 20% lighter version of the original color is **29.7250, 30.4177, 32.7383**, and **3.5486, 3.5151, 3.7403** is the 20% darker color. If you saturate the color by 10%, you get **10.9891, 10.4575, 10.8489**, and if you desaturate by 10%, it is **13.7999, 14.6894, 16.0706**.

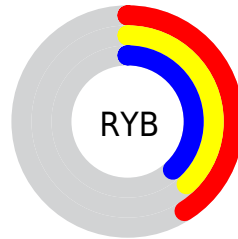
Distribution



Red (41%)

Green (38%)

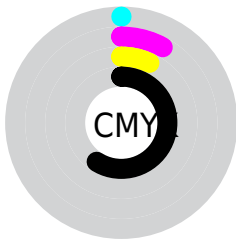
Blue (38%)



Red (41%)

Yellow (38%)

Blue (38%)

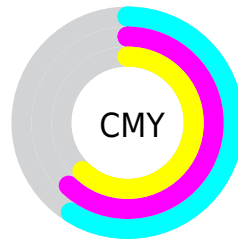


Cyan (0%)

Magenta (8%)

Yellow (7%)

Black (59%)



Cyan (59%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3050, 12.4345, 13.3068 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 12.3050, 12.4345, 13.3068 by changing the saturation by 10% instead.

■ 12.3050, 12.4345,
13.3068

■ 12.3050, 12.4345,
13.3068

200.1431,
207.2609, 224.1511

■ 7.0254, 7.0403,
7.5069

■ 29.6615, 30.2840,
32.5531

■ 3.5245, 3.4873,
3.6979

■ 42.4690, 43.5082,
46.8366

■ 1.4368, 1.3911,
1.4611

■ 58.5167, 60.1111,
64.7851

■ 0.2822, 0.2102,
0.1887

■ 78.1697, 80.4771,
86.8171

■ 0.0000, 0.0000,
0.0000

101.7935,
104.9908, 113.3512

129.7535,

134.0363, 144.8059

162.4149,
167.9983, 181.5996

■ 12.3050, 12.4345,
13.3068

■ 12.3050, 12.4345,
13.3068

■ 10.9891, 10.4575,
10.8489

■ 13.7999, 14.6894,
16.0706

■ 9.8444, 8.7461,
8.6854

■ 15.4791, 17.2307,
19.1493

■ 8.8642, 7.2895,
6.8057

■ 17.3489, 20.0685,
22.5529

■ 8.0409, 6.0754,
5.1978

■ 19.4152, 23.2119,
26.2905

■ 7.3663, 5.0907,
3.8492

■ 21.6832, 26.6698,
30.3707

■ 6.8314, 4.3209,
2.7461

■ 24.1585, 30.4505,
34.8022

■ 6.4262, 3.7498,
1.8737

■ 26.8460, 34.5622,
39.5929

■ 6.1396, 3.3592,
1.2154

■ 29.7507, 39.0125,
44.7509

■ 5.9412, 3.0929,
0.7467

■ 32.8773, 43.8091,
50.2837

Harmonies

Analogous

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



12.2809, 12.4345, 14.0297



12.3050, 12.4345, 13.3068



12.1974, 12.4345, 12.6690

Triad

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



12.3050, 12.4345, 13.3068



11.5108, 12.4345, 12.4938



11.6501, 12.4345, 14.8885

Complementary

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



12.3050, 12.4345, 13.3068



12.4805, 13.6443, 15.0733

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.



11.4478, 12.4345, 14.4481



12.3050, 12.4345, 13.3068



11.3681, 12.4345, 13.0600

Square

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



12.3050, 12.4345, 13.3068



11.7372, 12.4345, 12.2108



11.3452, 12.4345, 13.7740



11.9004, 12.4345, 14.9604

Rectangle

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



12.3050, 12.4345, 13.3068



12.0663, 12.4345, 12.3714



11.3452, 12.4345, 13.7740



11.5744, 12.4345, 14.7779

Sweetspot

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



12.3054, 12.4350, 13.3071



23.4817, 24.4480, 26.5100



12.5261, 12.5090, 15.1190



5.5116, 5.7435, 6.2303



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.



12.3054, 12.4350, 13.3071



21.6254, 21.6513, 23.0679



12.5345, 12.9683, 13.1524



3.1137, 3.1224, 3.3292



7.4601, 3.8362, 0.7857



37.8278, 19.4731, 3.0299

Inverse Universe

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



12.3054, 12.4350, 13.3071



21.6254, 21.6513, 23.0679



12.2380, 13.0776, 15.2440



3.1137, 3.1224, 3.3292



7.4601, 3.8362, 0.7857



37.8278, 19.4731, 3.0299

Previews

White Background



This preview shows how the XYZ color 12.3050, 12.4345, 13.3068 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 12.3050, 12.4345, 13.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

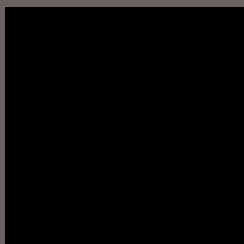
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3050, 12.4345, 13.3068

Background



This preview shows how black text looks on a background with the XYZ color 12.3050, 12.4345, 13.3068.



This preview shows how white text looks on a background with the XYZ color 12.3050, 12.4345,

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

12.3050, 12.4345, 13.3068

Protanopia

11.9866, 12.4029, 13.5666

Deuteranopia

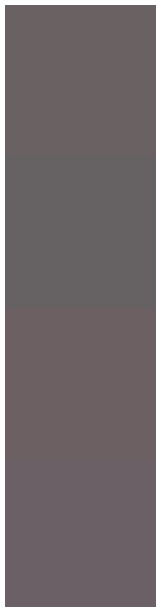
12.6942, 12.4988, 13.2987



Tritanopia

12.6254, 12.4294, 14.8304

Trichromacy



Original Color

12.3050, 12.4345, 13.3068

Protanomaly

12.0993, 12.4610, 13.5719

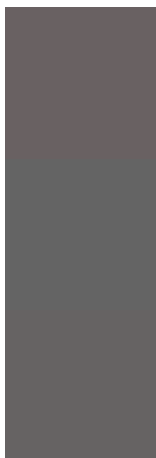
Deuteranomaly

12.5718, 12.4357, 13.2930

Tritanomaly

12.5250, 12.3892, 14.3016

Monochromacy



Original Color

12.3050, 12.4345, 13.3068

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1935, 12.6493, 13.6033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3050, 12.4345, 13.3068 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(105, 97, 98)` looks like.

```
.text, #text, p{  
    color:rgb(105, 97, 98)  
}
```

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(105, 97, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 97, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.3050, 12.4345, 13.3068 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(105, 97, 98) }
```


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

```
.border{ border-color:rgb(105, 97, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 97, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 97, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 97, 98);  
box-shadow:4px 4px 4px 4px rgb(105, 97,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3050, 12.4345, 13.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 97, 98) }
```

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

```
.background{ background-color: rgb(105, 97,  
98) }
```

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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