

Converting Colors

XYZ(12.2617, 12.9444, 13.1371)

Have a look what the booklet for
XYZ(12.2617, 12.9444, 13.1371)
contains.

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Color

**XYZ(12.2908, 12.9952,
13.1698)**

Conversions

Conversions Part 1

Format	Color
Hex	666561
RGB	102, 101, 97
RGB Percent	40%, 40%, 38%
CMY	0.6000, 0.6039, 0.6196
CMYK	0.00, 0.01, 0.05, 0.60
HSL	48°, 3%, 39%
HSV	48°, 5%, 40%
XYZ	12.2908, 12.9952, 13.1698
YIQ	100.8430, 1.8800, -1.0320

Conversions

Conversions Part 2

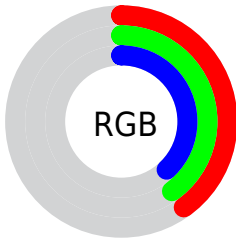
Format	Color
RYB	98, 102, 97
Decimal	6710625
CIELab	42.76, -0.42, 2.39
CIELCh	43, 2.430, 99.853
Yxy	12.9952, 0.3196, 0.3379
Android (android.graphics.Color)	4284900705 (0xFF666561)
YUV	100.8430, -1.8946, 1.0147
Hunter-Lab	36.0489, -2.2262, 3.5737

Details

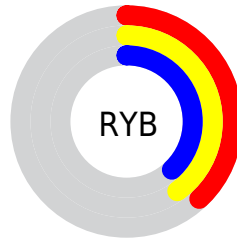
The XYZ color **12.2908, 12.9952, 13.1698** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6957, 12.2358, 14.3157**, and the grayscale version is **12.3338, 12.9761, 14.1310**.

A 20% lighter version of the original color is **29.7104, 31.3669, 32.5055**, and **3.4923, 3.6896, 3.6601** is the 20% darker color. If you saturate the color by 10%, you get **11.6505, 12.4272, 10.7589**, and if you desaturate by 10%, it is **12.9979, 13.5986, 15.9051**.

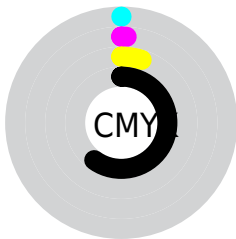
Distribution



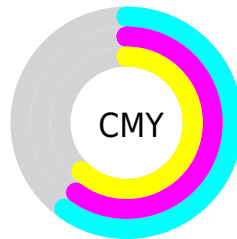
- Red (40%)
- Green (40%)
- Blue (38%)



- Red (38%)
- Yellow (40%)
- Blue (38%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2908, 12.9952, 13.1698 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 12.2908, 12.9952, 13.1698 by changing the saturation by 10% instead.

■ 12.2908, 12.9952,
13.1698

■ 12.2908, 12.9952,
13.1698

200.0519,
210.8869, 223.2490

■ 7.0157, 7.4252,
7.4135

■ 29.6359, 31.2952,
32.3041

■ 3.5183, 3.7294,
3.6397

■ 42.4366, 44.7940,
46.5193

■ 1.4334, 1.5234,
1.4298

■ 58.4765, 61.7045,
64.3910

■ 0.2798, 0.3051,
0.1648

■ 78.1210, 82.4111,
86.3380

■ 0.0000, 0.0000,
0.0000

101.7354,
107.2983, 112.7788

129.6852,

136.7504, 144.1318

162.3355,
171.1518, 180.8157

■ 12.2908, 12.9952,
13.1698

■ 12.2908, 12.9952,
13.1698

■ 11.6505, 12.4272,
10.7589

■ 12.9979, 13.5986,
15.9051

■ 11.0735, 11.8919,
8.6592

■ 13.7730, 14.2366,
18.9755

■ 10.5577, 11.3888,
6.8582

■ 14.6185, 14.9107,
22.3922

■ 10.1005, 10.9168,
5.3420

■ 15.5365, 15.6218,
26.1657

■ 9.6990, 10.4747,
4.0955

■ 16.5288, 16.3707,
30.3061

■ 9.3500, 10.0612,
3.1024

■ 17.5973, 17.1582,
34.8229

■ 9.0501, 9.6747,
2.3445

■ 18.7439, 17.9851,
39.7255

■ 8.7953, 9.3137,
1.8012

■ 19.9702, 18.8521,
45.0228

■ 8.5774, 8.9749,
1.4296

■ 21.2780, 19.7599,
50.7235

Harmonies

Analogous

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



12.4744, 12.9952, 13.2149



12.2908, 12.9952, 13.1698



12.1251, 12.9952, 13.3821

Triad

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



12.2908, 12.9952, 13.1698



12.0806, 12.9952, 14.8122



12.6884, 12.9952, 14.5032

Complementary

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



12.2908, 12.9952, 13.1698



11.6957, 12.2358, 14.3157

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.



12.5808, 12.9952, 14.9458



12.2908, 12.9952, 13.1698



12.2295, 12.9952, 15.1273

Square

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



12.2908, 12.9952, 13.1698



12.0045, 12.9952, 14.3245



12.4125, 12.9952, 15.1768



12.7052, 12.9952, 13.9760

Rectangle

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



12.2908, 12.9952, 13.1698



12.0466, 12.9952, 13.6443



12.4125, 12.9952, 15.1768



12.6616, 12.9952, 14.6672

Sweetspot

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



12.2912, 12.9958, 13.1701



22.0220, 23.1938, 24.8864



11.9589, 12.2562, 13.2908



5.1978, 5.4738, 5.8809



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.



12.2912, 12.9958, 13.1701



21.4068, 22.6616, 22.5289



12.2201, 13.1038, 13.1947



3.0400, 3.2184, 3.1960



10.8520, 11.2572, 1.6009



55.9771, 57.4681, 8.1421

Inverse Universe

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



11.6957, 12.2358, 14.3157



20.1021, 20.9966, 25.0389



11.7642, 12.1335, 14.2924



2.8525, 2.9792, 3.5567



3.3844, 1.8407, 16.3212



17.1352, 8.5671, 84.9519

Previews

White Background



This preview shows how the XYZ color 12.2908, 12.9952, 13.1698 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 12.2908, 12.9952, 13.1698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

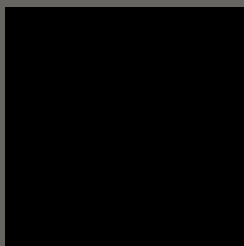
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

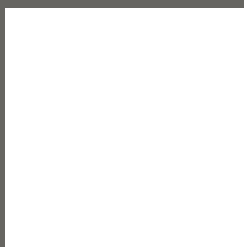
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2908, 12.9952, 13.1698

Background



This preview shows how black text looks on a background with the XYZ color 12.2908, 12.9952, 13.1698.



This preview shows how white text looks on a background with the XYZ color 12.2908, 12.9952,

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

12.2908, 12.9952, 13.1698

Protanopia

12.4238, 12.9205, 13.1484

Deuteranopia

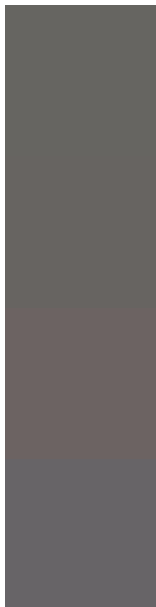
13.2544, 13.0620, 13.3779



Tritanopia

12.8246, 12.9283, 15.7294

Trichromacy



Original Color

12.2908, 12.9952, 13.1698

Protanomaly

12.3084, 12.8610, 13.1430

Deuteranomaly

12.8508, 12.9937, 13.3860

Tritanomaly

12.5989, 12.9772, 14.6728

Monochromacy



Original Color

12.2908, 12.9952, 13.1698

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3208, 12.9942, 13.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2908, 12.9952, 13.1698 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, 101, 97)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 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(102, 101, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.2908, 12.9952, 13.1698 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, 101, 97) }
```


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

```
.border{ border-color:rgb(102, 101, 97) }
```

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

Here you see how a box with a 4 pixel rgb(102, 101, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 97);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2908, 12.9952, 13.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 97) }
```

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

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