

Converting Colors

XYZ(12.9481, 12.7095, 17.7656)

Have a look what the booklet for
XYZ(12.9481, 12.7095, 17.7656)
contains.

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Color

**XYZ(12.9055, 12.6479,
17.6807)**

Conversions

Conversions Part 1

Format	Color
Hex	676172
RGB	103, 97, 114
RGB Percent	40%, 38%, 45%
CMY	0.5961, 0.6196, 0.5529
CMYK	0.10, 0.15, 0.00, 0.55
HSL	261°, 8%, 41%
HSV	261°, 15%, 45%
XYZ	12.9055, 12.6479, 17.6807
YIQ	100.7320, -1.8810, 6.5590

Conversions

Conversions Part 2

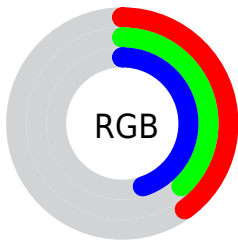
Format	Color
R_{YB}	103, 97, 114
Decimal	6775154
CIE Lab	42.23, 6.01, -8.72
CIE LCh	42, 10.589, 304.563
Yxy	12.6479, 0.2985, 0.2925
Android (android.graphics.Color)	4284965234 (0xFF676172)
YUV	100.7320, 6.5411, 1.9890
Hunter-Lab	35.5639, 2.5377, -4.5815

Details

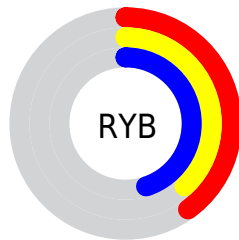
The XYZ color **12.9055, 12.6479, 17.6807** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3598, 16.0862, 13.6580**, and the grayscale version is **12.2850, 12.9248, 14.0751**.

A 20% lighter version of the original color is **30.7993, 30.8030, 40.3987**, and **3.7981, 3.6018, 5.6493** is the 20% darker color. If you saturate the color by 10%, you get **11.1178, 10.2737, 17.3168**, and if you desaturate by 10%, it is **14.9200, 15.3645, 18.0991**.

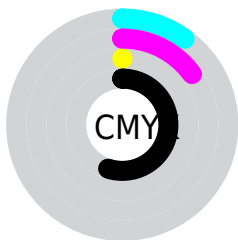
Distribution



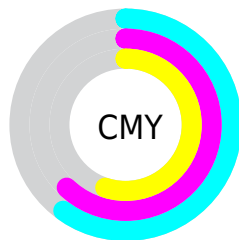
- Red (40%)
- Green (38%)
- Blue (45%)



- Red (40%)
- Yellow (38%)
- Blue (45%)



- Cyan (10%)
- Magenta (15%)
- Yellow (0%)
- Black (55%)



- Cyan (60%)
- Magenta (62%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9055, 12.6479, 17.6807 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 12.9055, 12.6479, 17.6807 by changing the saturation by 10% instead.

■ 12.9055, 12.6479,
17.6807

■ 12.9055, 12.6479,
17.6807

203.9610,
208.6486, 251.2405

■ 7.4401, 7.1865,
10.5539

■ 30.7367, 30.6698,
40.2991

■ 3.7876, 3.5790,
5.6574

■ 43.8331, 43.9990,
56.6277

■ 1.5827, 1.4410,
2.5725

■ 60.2039, 60.7198,
76.8607

■ 0.3811, 0.2466,
0.8782

■ 80.2144, 81.2163,
101.4167

■ 0.0000, 0.0000,
0.0000

104.2301,
105.8731, 130.7141

132.6161,

135.0744, 165.1715

165.7380,
169.2048, 205.2075

■ 12.9055, 12.6479,
17.6807

■ 12.9055, 12.6479,
17.6807

■ 11.1178, 10.2737,
17.3168

■ 14.9200, 15.3645,
18.0991

■ 9.5475, 8.2263,
17.0044

■ 17.1681, 18.4349,
18.5732

■ 8.1861, 6.4917,
16.7414

■ 19.6577, 21.8720,
19.1055

■ 7.0239, 5.0537,
16.5251

■ 22.3959, 25.6876,
19.6976

■ 6.0507, 3.8949,
16.3527

■ 25.3896, 29.8928,
20.3515

■ 5.2551, 2.9961,
16.2211

■ 28.6453, 34.4983,
21.0689

■ 4.6244, 2.3353,
16.1268

■ 32.1694, 39.5146,
21.8514

■ 4.1383, 1.8760,
16.0638

■ 35.9680, 44.9516,
22.7006

■ 3.9213, 1.6706,
16.0356

■ 40.0470, 50.8188,
23.6181

Harmonies

Analogous

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



12.1429, 12.6479, 18.5880



12.9055, 12.6479, 17.6807



13.4486, 12.6479, 15.7292

Triad

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



12.9055, 12.6479, 17.6807



12.6869, 12.6479, 10.1991



10.5676, 12.6479, 14.1210

Complementary

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



12.9055, 12.6479, 17.6807



14.3598, 16.0862, 13.6580

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.



10.6991, 12.6479, 11.9832



12.9055, 12.6479, 17.6807



11.9008, 12.6479, 9.8682

Square

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



12.9055, 12.6479, 17.6807



13.3185, 12.6479, 11.4442



11.1787, 12.6479, 10.4855



10.8115, 12.6479, 16.3945

Rectangle

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



12.9055, 12.6479, 17.6807



13.6007, 12.6479, 14.1884



11.1787, 12.6479, 10.4855



10.5694, 12.6479, 13.3627

Sweetspot

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



12.9059, 12.6484, 17.6810



26.5221, 27.4119, 31.8687



13.3353, 14.4924, 18.0143



6.0799, 6.2665, 7.3588



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.9059, 12.6484, 17.6810



21.5180, 20.6765, 30.8323



13.9247, 13.1736, 17.7287



3.3184, 3.3524, 4.2264



4.3479, 1.8509, 17.8497



20.7998, 8.7770, 88.8770

Inverse Universe

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



13.9214, 13.2101, 16.0041



23.6900, 21.8786, 27.2115



13.3813, 15.5818, 13.6122



3.4668, 3.4344, 3.9851



9.0843, 4.5261, 7.5196



44.8321, 22.3782, 35.2437

Previews

White Background



This preview shows how the XYZ color 12.9055, 12.6479, 17.6807 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 12.9055, 12.6479, 17.6807 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 12.9055, 12.6479, 17.6807

Background



This preview shows how black text looks on a background with the XYZ color 12.9055, 12.6479, 17.6807.



This preview shows how white text looks on a background with the XYZ color 12.9055, 12.6479,

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

12.9055, 12.6479, 17.6807

Protanopia

12.4861, 12.7029, 18.0135

Deuteranopia

12.9055, 12.6479, 17.6807



Tritanopia

12.4487, 12.6008, 15.4117

Trichromacy



Original Color

12.9055, 12.6479, 17.6807

Protanomaly

12.6078, 12.6258, 17.9922

Deuteranomaly

12.9055, 12.6479, 17.6807

Tritanomaly

12.6075, 12.6643, 16.2480

Monochromacy



Original Color

12.9055, 12.6479, 17.6807

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6382, 12.9797, 15.4749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9055, 12.6479, 17.6807 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(103, 97, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 97, 114) }
```

Border

The CSS property to change the border of an element to XYZ 12.9055, 12.6479, 17.6807 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, 114) }
```


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

```
.border{ border-color:rgb(103, 97, 114) }
```

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, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 97, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 97, 114);  
box-shadow:4px 4px 4px 4px rgb(103, 97,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9055, 12.6479, 17.6807 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, 114) }
```

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

```
.background{ background-color: rgb(103, 97,  
114) }
```

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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