

Converting Colors

XYZ(13.0178, 11.1203, 14.6494)

Have a look what the booklet for
XYZ(13.0178, 11.1203, 14.6494)
contains.

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Color

**XYZ(13.0051, 11.1220,
14.5580)**

Conversions

Conversions Part 1

Format	Color
Hex	755468
RGB	117, 84, 104
RGB Percent	46%, 33%, 41%
CMY	0.5412, 0.6706, 0.5922
CMYK	0.00, 0.28, 0.11, 0.54
HSL	324°, 16%, 39%
HSV	324°, 28%, 46%
XYZ	13.0051, 11.1220, 14.5580
YIQ	96.1470, 13.2480, 13.2160

Conversions

Conversions Part 2

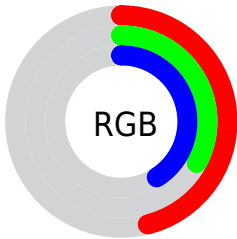
Format	Color
R_{YB}	117, 84, 104
Decimal	7689320
CIE Lab	39.79, 17.20, -6.09
CIE LCh	40, 18.241, 340.505
Yxy	11.1220, 0.3362, 0.2875
Android (android.graphics.Color)	4285879400 (0xFF755468)
YUV	96.1470, 3.8715, 18.2881
Hunter-Lab	33.3497, 11.2463, -2.5369

Details

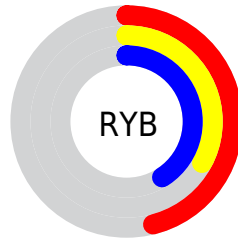
The XYZ color **13.0051, 11.1220, 14.5580** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.1755, 15.4707, 13.6543**, and the grayscale version is **11.1428, 11.7231, 12.7664**.

A 20% lighter version of the original color is **31.0191, 27.9628, 34.7728**, and **3.8155, 2.9106, 4.2316** is the 20% darker color. If you saturate the color by 10%, you get **11.9440, 9.3643, 13.0806**, and if you desaturate by 10%, it is **14.2313, 13.1893, 16.1539**.

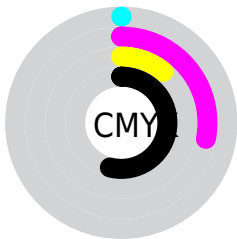
Distribution



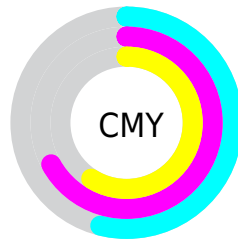
- Red (46%)
- Green (33%)
- Blue (41%)



- Red (46%)
- Yellow (33%)
- Blue (41%)



- Cyan (0%)
- Magenta (28%)
- Yellow (11%)
- Black (54%)



- Cyan (54%)
- Magenta (67%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0051, 11.1220, 14.5580 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 13.0051, 11.1220, 14.5580 by changing the saturation by 10% instead.

■ 13.0051, 11.1220,
14.5580

■ 13.0051, 11.1220,
14.5580

204.5873,
198.5026, 232.2230

■ 7.5091, 6.1490,
8.3666

■ 30.9142, 27.8855,
34.8072

■ 3.8316, 2.9359,
4.2393

■ 44.0580, 40.4448,
49.7020

■ 1.6073, 1.0983,
1.7575

■ 60.4817, 56.3017,
68.3351

■ 0.3972, 0.0000,
0.3997

■ 80.5508, 75.8404,
91.1250

■ 0.0000, 0.0000,
0.0000

■ 104.6305, 99.4455,
118.4901

133.0862,

127.5013, 150.8492

166.2834,
160.3922, 188.6206

■ 13.0051, 11.1220,
14.5580

■ 13.0051, 11.1220,
14.5580

■ 11.9440, 9.3643,
13.0806

■ 14.2313, 13.1893,
16.1539

■ 11.0394, 7.8994,
11.7174

■ 15.6290, 15.5787,
17.8709

■ 10.2832, 6.7116,
10.4648

■ 17.2051, 18.3040,
19.7124

■ 9.6662, 5.7826,
9.3187

■ 18.9661, 21.3777,
21.6817

■ 9.1781, 5.0923,
8.2746

■ 20.9180, 24.8115,
23.7815

8.8071, 4.6173,
7.3274

23.0667, 28.6168,
26.0148

8.5201, 4.2920,
6.4650

25.4177, 32.8043,
28.3841

8.4705, 4.2357,
6.3166

27.9762, 37.3844,
30.8923

30.7474, 42.3670,
33.5417

Harmonies

Analogous

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



12.2120, 11.1220, 18.1407



13.0051, 11.1220, 14.5580



13.1175, 11.1220, 10.8967

Triad

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



13.0051, 11.1220, 14.5580



10.1385, 11.1220, 6.5201



8.8453, 11.1220, 17.1591

Complementary

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



13.0051, 11.1220, 14.5580



12.1755, 15.4707, 13.6543

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.



8.3777, 11.1220, 13.4101



13.0051, 11.1220, 14.5580



9.0842, 11.1220, 7.5902

Square

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



13.0051, 11.1220, 14.5580



11.3945, 11.1220, 6.7068



8.4615, 11.1220, 9.9530



9.7884, 11.1220, 19.8355

Rectangle

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



13.0051, 11.1220, 14.5580



12.7824, 11.1220, 8.9383



8.4615, 11.1220, 9.9530



8.6308, 11.1220, 15.9550

Sweetspot

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



13.0054, 11.1225, 14.5582



27.9858, 27.8951, 32.0001



11.2742, 10.1477, 18.1942



6.3581, 6.2824, 7.2657



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.0054, 11.1225, 14.5582



21.9882, 17.7556, 24.2800



12.2621, 10.8252, 10.6437



3.7684, 3.7347, 4.3073



9.3249, 4.6637, 6.9189



45.0109, 22.5545, 31.4505

Inverse Universe

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



13.0054, 11.1225, 14.5582



21.9882, 17.7556, 24.2800



13.0069, 15.8033, 18.0321



3.7684, 3.7347, 4.3073



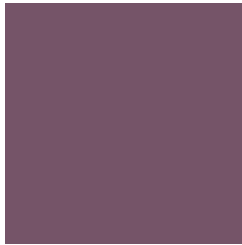
9.3249, 4.6637, 6.9189



45.0109, 22.5545, 31.4505

Previews

White Background



This preview shows how the XYZ color 13.0051, 11.1220, 14.5580 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 13.0051, 11.1220, 14.5580 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 13.0051, 11.1220, 14.5580

Background



This preview shows how black text looks on a background with the XYZ color 13.0051, 11.1220, 14.5580.



This preview shows how white text looks on a background with the XYZ color 13.0051, 11.1220,

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

13.0051, 11.1220, 14.5580

Protanopia

11.0432, 11.1786, 16.3275

Deuteranopia

11.3349, 11.1141, 14.3798



Tritanopia

12.5060, 11.1589, 11.8507

Trichromacy



Original Color

13.0051, 11.1220, 14.5580

Protanomaly

11.6185, 11.1044, 15.7184

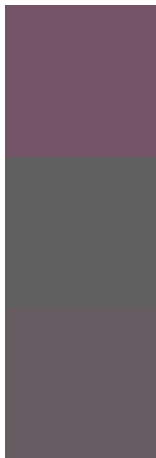
Deuteranomaly

11.8818, 11.0229, 14.3334

Tritanomaly

12.6086, 11.0731, 12.7820

Monochromacy



Original Color

13.0051, 11.1220, 14.5580

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.7882, 11.4982, 13.4024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0051, 11.1220, 14.5580 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(117, 84, 104)` looks like.

```
.text, #text, p{  
    color:rgb(117, 84, 104)  
}
```

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(117, 84, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 84, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.0051, 11.1220, 14.5580 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(117, 84, 104) }
```


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

```
.border{ border-color:rgb(117, 84, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 84, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 84, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 84, 104);  
box-shadow:4px 4px 4px 4px rgb(117, 84,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0051, 11.1220, 14.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 84, 104) }
```

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

```
.background{ background-color: rgb(117, 84,  
104) }
```

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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