

Converting Colors

XYZ(13.7494, 10.8131, 5.0528)

Have a look what the booklet for
XYZ(13.7494, 10.8131, 5.0528)
contains.

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Color

**XYZ(13.7795, 10.8577,
5.1109)**

Conversions

Conversions Part 1

Format	Color
Hex	8A4C38
RGB	138, 76, 56
RGB Percent	54%, 30%, 22%
CMY	0.4588, 0.7019, 0.7804
CMYK	0.00, 0.45, 0.59, 0.46
HSL	15°, 42%, 38%
HSV	15°, 59%, 54%
XYZ	13.7795, 10.8577, 5.1109
YIQ	92.2580, 43.3720, 6.9240

Conversions

Conversions Part 2

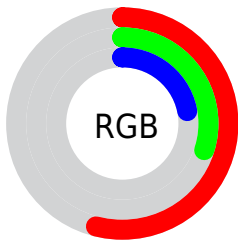
Format	Color
R _Y B	138, 82, 56
Decimal	9063480
CIE Lab	39.34, 24.13, 23.27
CIE LCh	39, 33.522, 43.957
Yxy	10.8577, 0.4632, 0.3650
Android (android.graphics.Color)	4287253560 (0xFF8A4C38)
YUV	92.2580, -17.8752, 40.1157
Hunter-Lab	32.9510, 16.9811, 13.8695

Details

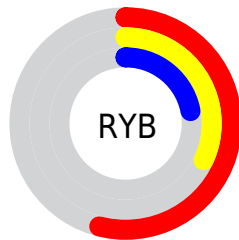
The XYZ color **13.7795, 10.8577, 5.1109** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **12.6964, 15.6318, 26.3927**, and the grayscale version is **10.2655, 10.8001, 11.7613**.

A 20% lighter version of the original color is **32.4147, 27.5031, 16.4321**, and **4.1931, 2.8424, 0.7084** is the 20% darker color. If you saturate the color by 10%, you get **12.8259, 9.4183, 3.3513**, and if you desaturate by 10%, it is **14.9433, 12.5687, 7.3999**.

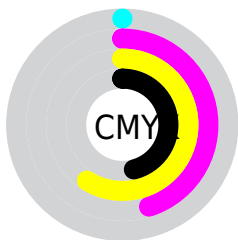
Distribution



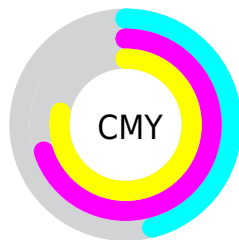
- Red (54%)
- Green (30%)
- Blue (22%)



- Red (54%)
- Yellow (32%)
- Blue (22%)



- Cyan (0%)
- Magenta (45%)
- Yellow (59%)
- Black (46%)





- Cyan (46%)
- Magenta (70%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7795, 10.8577, 5.1109 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 13.7795, 10.8577, 5.1109 by changing the saturation by 10% instead.


 13.7795, 10.8577,
5.1109


 13.7795, 10.8577,
5.1109


209.3929,
196.6887, 159.8715


 8.0481, 5.9712,
2.2526


 32.2868, 27.3967,
16.5001


 4.1778, 2.8276,
0.7045

 45.7935, 39.8181,
25.8681


 1.8032, 1.0424,
0.0000

 62.6226, 55.5198,
38.2431

 0.5196, 0.0000,
0.0000

 83.1396, 74.8864,
54.0435

 0.0000, 0.0000,
0.0000

 107.7098, 98.3022,
73.6881

 136.6985,

126.1516, 97.5952

170.4711,
158.8189, 126.1835

■ 13.7795, 10.8577,
5.1109

■ 13.7795, 10.8577,
5.1109

■ 12.8259, 9.4183,
3.3513

■ 14.9433, 12.5687,
7.3999

■ 12.0683, 8.2345,
2.0773

■ 16.3286, 14.5627,
10.2561

■ 11.4917, 7.2909,
1.2388

■ 17.9471, 16.8529,
13.7146

■ 11.0654, 6.5646,
0.7069

■ 19.8092, 19.4507,
17.8073

■ 11.0437, 6.5282,
0.6780

■ 21.9245, 22.3672,
22.5641

■ 24.3024, 25.6127,
28.0128

■ 26.9516, 29.1972,
34.1796

■ 29.8805, 33.1303,
41.0894

■ 33.0970, 37.4210,
48.7659

Harmonies

Analogous

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



15.1444, 10.8577, 9.0643



13.7795, 10.8577, 5.1109



11.5697, 10.8577, 3.4353

Triad

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



13.7795, 10.8577, 5.1109



6.6778, 10.8577, 8.7021



11.4053, 10.8577, 28.5066

Complementary

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



13.7795, 10.8577, 5.1109



12.6964, 15.6318, 26.3927

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.



9.1636, 10.8577, 28.2959



13.7795, 10.8577, 5.1109



6.6472, 10.8577, 15.0893

Square

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



13.7795, 10.8577, 5.1109



7.5849, 10.8577, 4.9296



7.4940, 10.8577, 22.7519



13.6441, 10.8577, 23.2520

Rectangle

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



13.7795, 10.8577, 5.1109



10.0226, 10.8577, 3.2393



7.4940, 10.8577, 22.7519



10.6230, 10.8577, 29.1190

Sweetspot

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



13.7798, 10.8583, 5.1111



35.2821, 34.7910, 32.2010



15.2172, 9.5604, 18.4541



7.7131, 7.5254, 6.7769



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.7798, 10.8583, 5.1111



22.1585, 15.9079, 5.1238



17.4558, 18.2103, 6.3364



5.1256, 5.2340, 5.2925



10.1357, 6.0059, 0.6250



0.0773, 0.0599, 0.0075

Inverse Universe

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



12.6964, 15.6318, 26.3927



20.0150, 25.0077, 46.1552



8.9333, 8.1057, 25.1384



5.0712, 5.4854, 6.3974



8.7875, 10.8453, 23.6759



0.0698, 0.0949, 0.1611

Previews

White Background



This preview shows how the XYZ color 13.7795, 10.8577, 5.1109 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 13.7795, 10.8577, 5.1109 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 13.7795, 10.8577, 5.1109

Background



This preview shows how black text looks on a background with the XYZ color 13.7795, 10.8577, 5.1109.



This preview shows how white text looks on a background with the XYZ color 13.7795, 10.8577,

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

13.7795, 10.8577, 5.1109

Protanopia

10.1784, 10.9543, 6.2806

Deuteranopia

11.1544, 10.9792, 4.8995



Tritanopia

14.4052, 10.8041, 8.5339

Trichromacy



Original Color

13.7795, 10.8577, 5.1109

Protanomaly

11.1632, 10.7200, 5.7558

Deuteranomaly

12.0046, 10.8179, 4.9454

Tritanomaly

14.2017, 10.8287, 7.1360

Monochromacy



Original Color

13.7795, 10.8577, 5.1109

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.0457, 10.4713, 8.8361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7795, 10.8577, 5.1109 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(138, 76, 56)` looks like.

```
.text, #text, p{  
    color:rgb(138, 76, 56)  
}
```

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(138, 76, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 76, 56) }
```

Border

The CSS property to change the border of an element to XYZ 13.7795, 10.8577, 5.1109 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(138, 76, 56) }
```


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

```
.border{ border-color:rgb(138, 76, 56) }
```

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

Here you see how a box with a 4 pixel rgb(138, 76, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 76, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 76, 56);  
box-shadow:4px 4px 4px 4px rgb(138, 76,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7795, 10.8577, 5.1109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 76, 56) }
```

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

```
.background{ background-color: rgb(138, 76,  
56) }
```

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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