

Converting Colors

XYZ(12.9585, 8.5804, 7.0366)

Have a look what the booklet for
XYZ(12.9585, 8.5804, 7.0366)
contains.

XYZ(13.0171, 8.6035, 7.1055)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0171, 8.6035,
7.1055)**

Conversions

Conversions Part 1

Format	Color
Hex	8A3748
RGB	138, 55, 72
RGB Percent	54%, 22%, 28%
CMY	0.4588, 0.7843, 0.7176
CMYK	0.00, 0.60, 0.48, 0.46
HSL	348°, 43%, 38%
HSV	348°, 60%, 54%
XYZ	13.0171, 8.6035, 7.1055
YIQ	81.7550, 44.0110, 22.8830

Conversions

Conversions Part 2

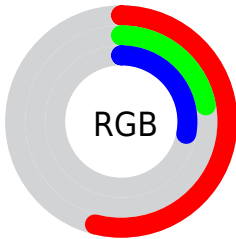
Format	Color
R_{YB}	138, 55, 72
Decimal	9058120
CIE Lab	35.21, 37.00, 7.77
CIE LCh	35, 37.805, 11.862
Yxy	8.6035, 0.4531, 0.2995
Android (android.graphics.Color)	4287248200 (0xFF8A3748)
YUV	81.7550, -4.8092, 49.3269
Hunter-Lab	29.3317, 27.8858, 6.1694

Details

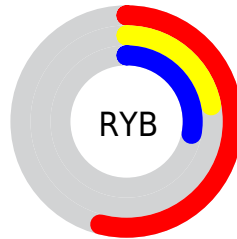
The XYZ color **13.0171, 8.6035, 7.1055** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **14.1157, 20.3698, 21.2781**, and the grayscale version is **7.9745, 8.3898, 9.1365**.

A 20% lighter version of the original color is **31.0499, 23.2662, 20.6236**, and **3.8779, 1.9735, 1.3389** is the 20% darker color. If you saturate the color by 10%, you get **12.1243, 7.3405, 5.1965**, and if you desaturate by 10%, it is **14.1577, 10.2596, 9.4126**.

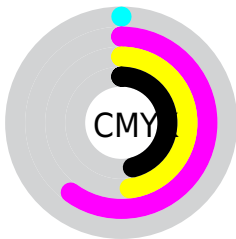
Distribution



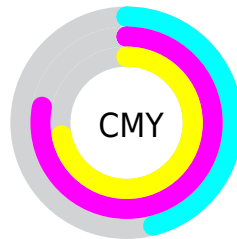
- Red (54%)
- Green (22%)
- Blue (28%)



- Red (54%)
- Yellow (22%)
- Blue (28%)



- Cyan (0%)
- Magenta (60%)
- Yellow (48%)
- Black (46%)





- Cyan (46%)
- Magenta (78%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0171, 8.6035, 7.1055 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 13.0171, 8.6035, 7.1055 by changing the saturation by 10% instead.


 13.0171, 8.6035,
7.1055


 13.0171, 8.6035,
7.1055


204.6626,
180.3918, 178.2015


 7.5174, 4.4835,
3.4487


 30.9356, 23.1333,
20.7016


 3.8369, 1.9475,
1.3281

 44.0850, 34.3119,
31.4780


 1.6103, 0.5767,
0.0846

 60.5151, 48.6122,
45.4647

 0.3991, 0.0000,
0.0000

 80.5912, 66.4184,
63.0803

 0.0000, 0.0000,
0.0000

 104.6787, 88.1151,
84.7432

 133.1428,

114.0867, 110.8720

166.3490,
144.7175, 141.8853

■ 13.0171, 8.6035,
7.1055

■ 13.0171, 8.6035,
7.1055

■ 12.1243, 7.3405,
5.1965

■ 14.1577, 10.2596,
9.4126

■ 11.4593, 6.4366,
3.6620

■ 15.5624, 12.3367,
12.1386

■ 11.0005, 5.8538,
2.4764

■ 17.2469, 14.8613,
15.3033

■ 10.6939, 5.4883,
1.6107

■ 19.2256, 17.8579,
18.9251

■ 21.5117, 21.3486,
23.0214

■ 24.1178, 25.3546,
27.6086

■ 27.0557, 29.8957,
32.7023

■ 30.3364, 34.9905,
38.3175

■ 33.9707, 40.6568,
44.4685

Harmonies

Analogous

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



12.8555, 8.6035, 13.6353



13.0171, 8.6035, 7.1055



11.7227, 8.6035, 3.4134

Triad

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



13.0171, 8.6035, 7.1055



5.6817, 8.6035, 2.9599



6.9379, 8.6035, 26.0876

Complementary

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



13.0171, 8.6035, 7.1055



14.1157, 20.3698, 21.2781

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.



5.4303, 8.6035, 19.9114



13.0171, 8.6035, 7.1055



4.7991, 8.6035, 6.0989

Square

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



13.0171, 8.6035, 7.1055



7.3437, 8.6035, 1.8368



4.7161, 8.6035, 12.0654



9.0718, 8.6035, 26.7683

Rectangle

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



13.0171, 8.6035, 7.1055



10.3232, 8.6035, 2.2588



4.7161, 8.6035, 12.0654



6.3516, 8.6035, 24.4899

Sweetspot

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



13.0173, 8.6040, 7.1057



34.5567, 32.4945, 34.5659



13.7020, 8.5621, 24.9751



7.5338, 6.9581, 7.3604



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.



13.0173, 8.6040, 7.1057



20.9297, 12.3297, 8.1688



13.9324, 11.2021, 5.0429



5.0721, 5.0643, 5.4679



9.8094, 5.0339, 1.5009



0.0696, 0.0352, 0.0331

Inverse Universe

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



13.0173, 8.6040, 7.1057



20.9297, 12.3297, 8.1688



12.2353, 14.7915, 26.2548



5.0721, 5.0643, 5.4679



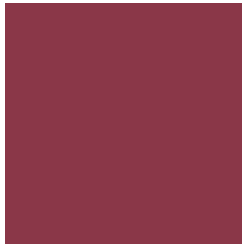
9.8094, 5.0339, 1.5009



0.0696, 0.0352, 0.0331

Previews

White Background



This preview shows how the XYZ color 13.0171, 8.6035, 7.1055 looks on a white background.

Color Contrast Check

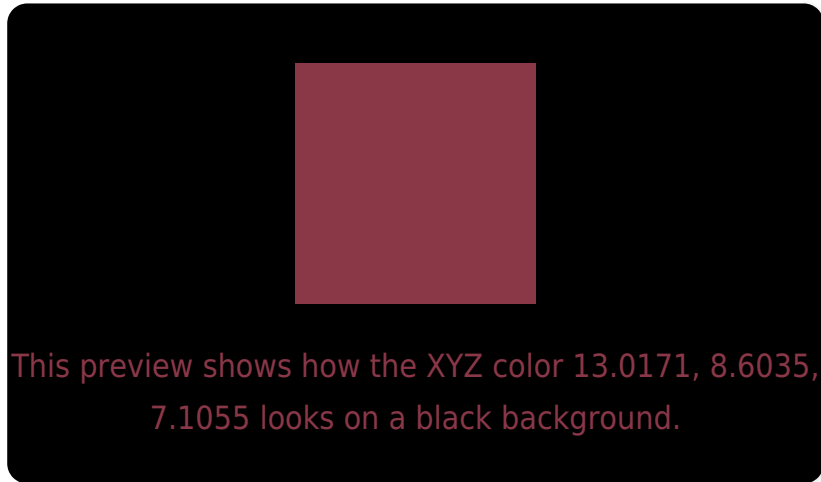
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

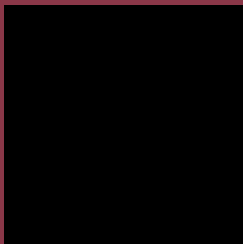
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0171, 8.6035, 7.1055

Background



This preview shows how black text looks on a background with the XYZ color 13.0171, 8.6035, 7.1055.



This preview shows how white text looks on a background with the XYZ color 13.0171, 8.6035,

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

13.0171, 8.6035, 7.1055

Protanopia

8.4697, 8.7595, 10.2612

Deuteranopia

8.8418, 8.6961, 6.6813



Tritanopia

12.6220, 8.5815, 5.4060

Trichromacy



Original Color

13.0171, 8.6035, 7.1055

Protanomaly

9.6145, 8.3173, 9.0813

Deuteranomaly

10.0095, 8.3809, 6.7203

Tritanomaly

12.6848, 8.5284, 5.9786

Monochromacy



Original Color

13.0171, 8.6035, 7.1055

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.1720, 8.0096, 8.2703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0171, 8.6035, 7.1055 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, 55, 72)` looks like.

```
.text, #text, p{  
    color:rgb(138, 55, 72)  
}
```

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, 55, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 55, 72) }
```

Border

The CSS property to change the border of an element to XYZ 13.0171, 8.6035, 7.1055 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, 55, 72) }
```


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

```
.border{ border-color:rgb(138, 55, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 55, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 55, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 55, 72);  
box-shadow:4px 4px 4px 4px rgb(138, 55,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0171, 8.6035, 7.1055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 55, 72) }
```

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

```
.background{ background-color: rgb(138, 55,  
72) }
```

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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