

Converting Colors

XYZ(13.1461, 13.8358, 8.5605)

Have a look what the booklet for
XYZ(13.1461, 13.8358, 8.5605)
contains.

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Color

**XYZ(13.1905, 13.8533,
8.6354)**

Conversions

Conversions Part 1

Format	Color
Hex	73674B
RGB	115, 103, 75
RGB Percent	45%, 40%, 29%
CMY	0.5490, 0.5961, 0.7059
CMYK	0.00, 0.10, 0.35, 0.55
HSL	42°, 21%, 37%
HSV	42°, 35%, 45%
XYZ	13.1905, 13.8533, 8.6354
YIQ	103.3960, 16.1400, -6.1640

Conversions

Conversions Part 2

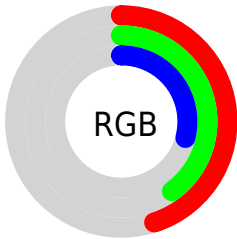
Format	Color
R _Y B	92, 115, 75
Decimal	7563083
CIE Lab	44.02, 0.15, 17.56
CIE LCh	44, 17.558, 89.501
Yxy	13.8533, 0.3697, 0.3883
Android (android.graphics.Color)	4285753163 (0xFF73674B)
YUV	103.3960, -13.9992, 10.1767
Hunter-Lab	37.2200, -1.8760, 12.2982

Details

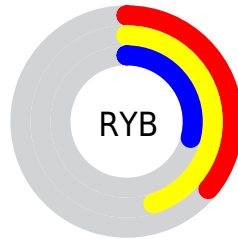
The XYZ color **13.1905, 13.8533, 8.6354** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.4044, 9.5499, 17.5674**, and the grayscale version is **13.0304, 13.7090, 14.9291**.

A 20% lighter version of the original color is **31.3421, 32.8913, 23.7655**, and **3.9083, 4.0855, 1.8789** is the 20% darker color. If you saturate the color by 10%, you get **12.4960, 13.0383, 6.6344**, and if you desaturate by 10%, it is **13.9710, 14.7264, 11.0165**.

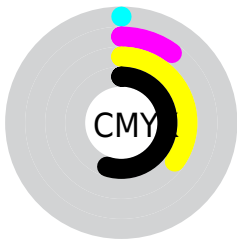
Distribution



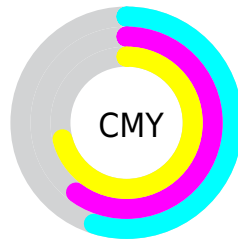
- Red (45%)
- Green (40%)
- Blue (29%)



- Red (36%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (10%)
- Yellow (35%)
- Black (55%)



- Cyan (55%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1905, 13.8533, 8.6354 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 13.1905, 13.8533, 8.6354 by changing the saturation by 10% instead.

■ 13.1905, 13.8533,
8.6354

■ 13.1905, 13.8533,
8.6354

205.7480,
216.3163, 190.7510

■ 7.6378, 8.0187,
4.4106

■ 31.2440, 32.8285,
23.7614

■ 3.9139, 4.1069,
1.8532

■ 44.4755, 46.7379,
35.4997

■ 1.6535, 1.7336,
0.4627

■ 60.9973, 64.1077,
50.5795

■ 0.4269, 0.4452,
0.0000

■ 81.1747, 85.3223,
69.4194

■ 0.0000, 0.0000,
0.0000

■ 105.3731,
110.7660, 92.4380

133.9579,

140.8233, 120.0538

167.2944,
175.8786, 152.6853

■ 13.1905, 13.8533,
8.6354

■ 13.1905, 13.8533,
8.6354

■ 12.4960, 13.0383,
6.6344

■ 13.9710, 14.7264,
11.0165

■ 11.8825, 12.2775,
4.9925

■ 14.8403, 15.6574,
13.7956

■ 11.3460, 11.5697,
3.6876

■ 15.8020, 16.6485,
16.9906

■ 10.8815, 10.9125,
2.6953

■ 16.8596, 17.7015,
20.6178

■ 10.4838, 10.3036,
1.9873

■ 18.0161, 18.8177,
24.6928

■ 10.1436, 9.7389,
1.5175

■ 19.2744, 19.9985,
29.2304

■ 9.9762, 9.4566,
1.2995

■ 20.6375, 21.2455,
34.2447

■ 22.1079, 22.5597,
39.7492

■ 23.6883, 23.9427,
45.7569

Harmonies

Analogous

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



14.5751, 13.8533, 9.3885



13.1905, 13.8533, 8.6354



11.8906, 13.8533, 9.3399

Triad

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



13.1905, 13.8533, 8.6354



10.9690, 13.8533, 19.1894



15.6147, 13.8533, 19.3256

Complementary

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



13.1905, 13.8533, 8.6354



9.4044, 9.5499, 17.5674

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.



14.5319, 13.8533, 22.8014



13.1905, 13.8533, 8.6354



11.8529, 13.8533, 22.7135

Square

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



13.1905, 13.8533, 8.6354



10.6642, 13.8533, 15.0171



13.1438, 13.8533, 24.1374



16.0339, 13.8533, 15.1508

Rectangle

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



13.1905, 13.8533, 8.6354



11.2320, 13.8533, 10.6270



13.1438, 13.8533, 24.1374



15.3127, 13.8533, 20.6396

Sweetspot

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



13.1909, 13.8539, 8.6357



27.3316, 28.8260, 27.1949



11.3068, 9.3653, 10.2288



6.4750, 6.8299, 6.3377



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.



13.1909, 13.8539, 8.6357



22.5748, 23.5855, 12.4355



13.4643, 15.8954, 9.0153



3.8784, 4.0897, 3.9273



11.3856, 10.7725, 1.4792



54.7075, 50.9435, 6.9497

Inverse Universe

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



9.4044, 9.5499, 17.5674



14.6724, 14.6077, 31.0908



9.1781, 8.1092, 17.3013



3.5819, 3.7525, 4.6258



4.1904, 2.7204, 18.8468



19.7528, 11.9221, 91.6204

Previews

White Background



This preview shows how the XYZ color 13.1905, 13.8533, 8.6354 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 13.1905, 13.8533, 8.6354 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 13.1905, 13.8533, 8.6354

Background



This preview shows how black text looks on a background with the XYZ color 13.1905, 13.8533, 8.6354.



This preview shows how white text looks on a background with the XYZ color 13.1905, 13.8533,

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

13.1905, 13.8533, 8.6354

Protanopia

12.9024, 13.8534, 8.6505

Deuteranopia

14.0301, 13.8471, 8.7708



Tritanopia

14.7234, 13.9072, 15.8183

Trichromacy



Original Color

13.1905, 13.8533, 8.6354

Protanomaly

13.0304, 13.9193, 8.6565

Deuteranomaly

13.7039, 13.8222, 8.7832

Tritanomaly

14.0939, 13.7921, 12.7458

Monochromacy



Original Color

13.1905, 13.8533, 8.6354

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8894, 13.6166, 12.3048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1905, 13.8533, 8.6354 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(115, 103, 75)` looks like.

```
.text, #text, p{  
    color:rgb(115, 103, 75)  
}
```

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(115, 103, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 103, 75) }
```

Border

The CSS property to change the border of an element to XYZ 13.1905, 13.8533, 8.6354 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(115, 103, 75) }
```


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

```
.border{ border-color:rgb(115, 103, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 103, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 103, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 103, 75);  
box-shadow:4px 4px 4px 4px rgb(115, 103,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1905, 13.8533, 8.6354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 103, 75) }
```

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

```
.background{ background-color: rgb(115,  
103, 75) }
```

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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