

Converting Colors

XYZ(13.0795, 13.7645, 8.3475)

Have a look what the booklet for
XYZ(13.0795, 13.7645, 8.3475)
contains.

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Color

**XYZ(13.1231, 13.8264,
8.2804)**

Conversions

Conversions Part 1

Format	Color
Hex	736749
RGB	115, 103, 73
RGB Percent	45%, 40%, 29%
CMY	0.5490, 0.5961, 0.7137
CMYK	0.00, 0.10, 0.37, 0.55
HSL	43°, 22%, 37%
HSV	43°, 37%, 45%
XYZ	13.1231, 13.8264, 8.2804
YIQ	103.1680, 16.7820, -6.7860

Conversions

Conversions Part 2

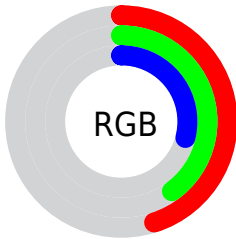
Format	Color
R _Y B	90, 115, 73
Decimal	7563081
CIE Lab	43.98, -0.12, 18.68
CIE LCh	44, 18.685, 90.372
Yxy	13.8264, 0.3725, 0.3925
Android (android.graphics.Color)	4285753161 (0xFF736749)
YUV	103.1680, -14.8728, 10.3767
Hunter-Lab	37.1839, -2.0747, 12.8255

Details

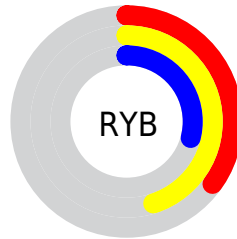
The XYZ color **13.1231, 13.8264, 8.2804** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0906, 9.1510, 17.5069**, and the grayscale version is **12.9720, 13.6475, 14.8621**.

A 20% lighter version of the original color is **31.2169, 32.8412, 23.1060**, and **3.8827, 4.0753, 1.7444** is the 20% darker color. If you saturate the color by 10%, you get **12.4563, 13.0476, 6.3479**, and if you desaturate by 10%, it is **13.8740, 14.6604, 10.5892**.

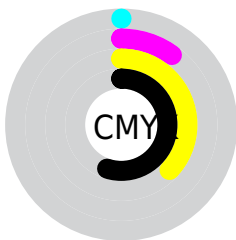
Distribution



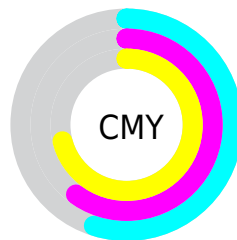
- Red (45%)
- Green (40%)
- Blue (29%)



- Red (35%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (10%)
- Yellow (37%)
- Black (55%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1231, 13.8264, 8.2804 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 13.1231, 13.8264, 8.2804 by changing the saturation by 10% instead.

■ 13.1231, 13.8264,
8.2804

■ 13.1231, 13.8264,
8.2804

205.3268,
216.1482, 187.9310

■ 7.5910, 8.0000,
4.1846

■ 31.1242, 32.7807,
23.0615

■ 3.8839, 4.0950,
1.7271

■ 44.3239, 46.6774,
34.5839

■ 1.6367, 1.7268,
0.3792

■ 60.8101, 64.0330,
49.4188

■ 0.4161, 0.4409,
0.0000

■ 80.9482, 85.2319,
67.9848

■ 0.0000, 0.0000,
0.0000

■ 105.1036,
110.6584, 90.7005

133.6415,

140.6971, 117.9845

166.9275,
175.7322, 150.2551

■ 13.1231, 13.8264,
8.2804

■ 13.1231, 13.8264,
8.2804

■ 12.4563, 13.0476,
6.3479

■ 13.8740, 14.6604,
10.5892

■ 11.8685, 12.3202,
4.7702

■ 14.7116, 15.5494,
13.2925

■ 11.3556, 11.6428,
3.5252

■ 15.6398, 16.4956,
16.4081

■ 10.9127, 11.0133,
2.5876

■ 16.6620, 17.5006,
19.9528

■ 10.5343, 10.4291,
1.9287

■ 17.7811, 18.5658,
23.9422

■ 10.2079, 9.8851,
1.4849

■ 19.0002, 19.6927,
28.3912

■ 10.0989, 9.7022,
1.3404

■ 20.3221, 20.8825,
33.3140

■ 21.7494, 22.1366,
38.7243

■ 23.2849, 23.4562,
44.6350

Harmonies

Analogous

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



14.6010, 13.8264, 9.0173



13.1231, 13.8264, 8.2804



11.7530, 13.8264, 9.0550

Triad

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



13.1231, 13.8264, 8.2804



10.8335, 13.8264, 19.5686



15.7770, 13.8264, 19.4596

Complementary

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



13.1231, 13.8264, 8.2804



9.0906, 9.1510, 17.5069

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.



14.6354, 13.8264, 23.2489



13.1231, 13.8264, 8.2804



11.7828, 13.8264, 23.3197

Square

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



13.1231, 13.8264, 8.2804



10.4934, 13.8264, 15.1076



13.1601, 13.8264, 24.7771



16.2015, 13.8264, 15.0017

Rectangle

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



13.1231, 13.8264, 8.2804



11.0670, 13.8264, 10.4269



13.1601, 13.8264, 24.7771



15.4604, 13.8264, 20.8817

Sweetspot

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



13.1234, 13.8270, 8.2807



27.1930, 28.7176, 26.6277



11.1165, 9.0755, 9.8858



6.4463, 6.8092, 6.2150



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.



13.1234, 13.8270, 8.2807



22.4599, 23.5491, 11.8010



13.3488, 15.8436, 8.6581



3.8825, 4.0980, 3.9286



11.5265, 11.0542, 1.5262



55.4119, 52.3524, 7.1845

Inverse Universe

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



9.0906, 9.1510, 17.5069



14.0864, 13.8456, 30.9745



8.9049, 7.7701, 17.2501



3.5780, 3.7446, 4.6244



4.1376, 2.6150, 18.8292



19.5173, 11.4512, 91.5419

Previews

White Background



This preview shows how the XYZ color 13.1231, 13.8264, 8.2804 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 13.1231, 13.8264, 8.2804 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 13.1231, 13.8264, 8.2804

Background



This preview shows how black text looks on a background with the XYZ color 13.1231, 13.8264, 8.2804.



This preview shows how white text looks on a background with the XYZ color 13.1231, 13.8264,

8.2804.

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

13.1231, 13.8264, 8.2804

Protanopia

12.8350, 13.8264, 8.2956

Deuteranopia

14.1054, 13.8938, 8.4169



Tritanopia

14.6711, 13.8862, 15.5427

Trichromacy



Original Color

13.1231, 13.8264, 8.2804

Protanomaly

12.9630, 13.8924, 8.3016

Deuteranomaly

13.7749, 13.8667, 8.4291

Tritanomaly

14.0488, 13.7740, 12.5079

Monochromacy



Original Color

13.1231, 13.8264, 8.2804

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8454, 13.5990, 12.0731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1231, 13.8264, 8.2804 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(115, 103, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 103, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.1231, 13.8264, 8.2804 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, 73) }
```


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

```
.border{ border-color:rgb(115, 103, 73) }
```

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, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 103, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 103, 73);  
box-shadow:4px 4px 4px 4px rgb(115, 103,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1231, 13.8264, 8.2804 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, 73) }
```

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

```
.background{ background-color: rgb(115,  
103, 73) }
```

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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