

Converting Colors

XYZ(13.2144, 15.5839, 8.2974)

Have a look what the booklet for
XYZ(13.2144, 15.5839, 8.2974)
contains.

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Color

**XYZ(13.2180, 15.6154,
8.2786)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7247
RGB	107, 114, 71
RGB Percent	42%, 45%, 28%
CMY	0.5804, 0.5529, 0.7216
CMYK	0.06, 0.00, 0.38, 0.55
HSL	70°, 23%, 36%
HSV	70°, 38%, 45%
XYZ	13.2180, 15.6154, 8.2786
YIQ	107.0050, 9.6310, -14.8570

Conversions

Conversions Part 2

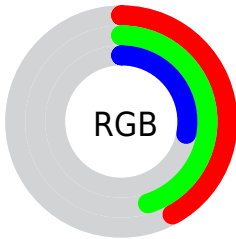
Format	Color
R_{YB}	71, 114, 78
Decimal	7041607
CIE _{Lab}	46.47, -10.20, 22.97
CIE _{LCh}	46, 25.135, 113.947
Yxy	15.6154, 0.3562, 0.4208
Android (android.graphics.Color)	4285231687 (0xFF6B7247)
YUV	107.0050, -17.7505, -0.0044
Hunter-Lab	39.5163, -9.4463, 15.2403

Details

The XYZ color **13.2180, 15.6154, 8.2786** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.4331, 7.3415, 16.8932**, and the grayscale version is **14.0226, 14.7529, 16.0659**.

A 20% lighter version of the original color is **31.3245, 35.9994, 23.0669**, and **3.9383, 4.9008, 1.7157** is the 20% darker color. If you saturate the color by 10%, you get **12.6652, 15.3693, 6.5189**, and if you desaturate by 10%, it is **13.8450, 15.8928, 10.4009**.

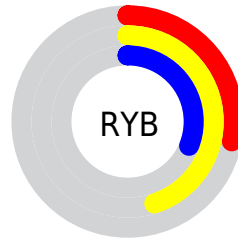
Distribution



Red (42%)

Green (45%)

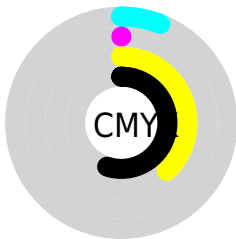
Blue (28%)



Red (28%)

Yellow (45%)

Blue (31%)

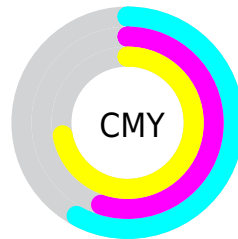


Cyan (6%)

Magenta (0%)

Yellow (38%)

Black (55%)



Cyan (58%)

Magenta (55%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2180, 15.6154, 8.2786 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 13.2180, 15.6154, 8.2786 by changing the saturation by 10% instead.

■ 13.2180, 15.6154,
8.2786

■ 13.2180, 15.6154,
8.2786

205.9196,
227.0615, 187.9166

■ 7.6569, 9.2524,
4.1834

■ 31.2929, 35.9292,
23.0579

■ 3.9261, 4.9062,
1.7265

■ 44.5373, 50.6488,
34.5792

■ 1.6604, 2.1923,
0.3788

■ 61.0736, 68.9228,
49.4129

■ 0.4313, 0.7158,
0.0000

■ 81.2670, 91.1355,
67.9775

■ 0.0000, 0.0000,
0.0000

■ 105.4830,
117.6713, 90.6917

134.0868,

148.9146, 117.9739

167.4439,
185.2499, 150.2427

■ 13.2180, 15.6154,
8.2786

■ 13.2180, 15.6154,
8.2786

■ 12.6652, 15.3693,
6.5189

■ 13.8450, 15.8928,
10.4009

■ 12.1817, 15.1509,
5.1004

■ 14.5487, 16.2009,
12.9034

■ 11.7635, 14.9592,
4.0013

■ 15.3327, 16.5417,
15.8039

■ 11.4058, 14.7923,
3.1965

■ 16.2003, 16.9165,
19.1187

■ 11.1033, 14.6480,
2.6576

■ 17.1544, 17.3264,
22.8632

■ 10.8409, 14.5202,
2.3059

■ 18.1977, 17.7727,
27.0521

■ 10.7823, 14.4917,
2.2289

■ 19.3330, 18.2562,
31.6994

■ 20.5628, 18.7782,
36.8182

■ 21.8896, 19.3395,
42.4215

Harmonies

Analogous

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



15.2846, 15.6154, 7.6996



13.2180, 15.6154, 8.2786



11.7288, 15.6154, 10.9147

Triad

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



13.2180, 15.6154, 8.2786



12.5276, 15.6154, 28.5567



19.3709, 15.6154, 18.2890

Complementary

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



13.2180, 15.6154, 8.2786



8.4331, 7.3415, 16.8932

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.



18.4624, 15.6154, 25.0149



13.2180, 15.6154, 8.2786



14.4079, 15.6154, 31.8000

Square

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



13.2180, 15.6154, 8.2786



11.3581, 15.6154, 22.3063



16.5938, 15.6154, 30.3674



18.9741, 15.6154, 12.6141

Rectangle

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



13.2180, 15.6154, 8.2786



11.1951, 15.6154, 13.9185



16.5938, 15.6154, 30.3674



19.2055, 15.6154, 20.5114

Sweetspot

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



13.2184, 15.6161, 8.2789



26.4351, 28.8468, 25.8724



10.7628, 9.4037, 7.2092



6.0817, 6.6574, 5.8653



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.2184, 15.6161, 8.2789



22.3987, 27.0711, 11.8973



10.9976, 14.4712, 8.1750



3.5912, 3.8901, 3.6349



11.9905, 16.1250, 2.4805



59.1176, 80.0103, 12.3277

Inverse Universe

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



8.4331, 7.3415, 16.8932



12.7377, 10.3561, 29.3031



10.4312, 8.3716, 16.9867



3.2636, 3.3242, 4.2238



3.6599, 1.4962, 17.8175



17.7289, 7.1939, 88.7333

Previews

White Background



This preview shows how the XYZ color 13.2180, 15.6154, 8.2786 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 13.2180, 15.6154, 8.2786 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

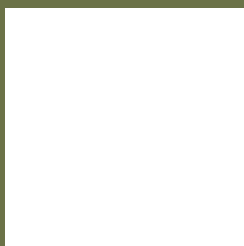
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2180, 15.6154, 8.2786

Background



This preview shows how black text looks on a background with the XYZ color 13.2180, 15.6154, 8.2786.



This preview shows how white text looks on a background with the XYZ color 13.2180, 15.6154,

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

13.2180, 15.6154, 8.2786

Protanopia

14.3958, 15.5746, 7.8777

Deuteranopia

15.7699, 15.4897, 8.4620



Tritanopia

15.3835, 15.5202, 19.0145

Trichromacy



Original Color

13.2180, 15.6154, 8.2786

Protanomaly

13.8602, 15.4559, 8.0471

Deuteranomaly

14.7006, 15.4040, 8.3293

Tritanomaly

14.4317, 15.4515, 14.2784

Monochromacy



Original Color

13.2180, 15.6154, 8.2786

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6597, 15.0858, 12.7816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2180, 15.6154, 8.2786 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(107, 114, 71)` looks like.

```
.text, #text, p{  
    color:rgb(107, 114, 71)  
}
```

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(107, 114, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 114, 71) }
```

Border

The CSS property to change the border of an element to XYZ 13.2180, 15.6154, 8.2786 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(107, 114, 71) }
```


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

```
.border{ border-color:rgb(107, 114, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 114, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 114, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 114, 71);  
box-shadow:4px 4px 4px 4px rgb(107, 114,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2180, 15.6154, 8.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 114, 71) }
```

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

```
.background{ background-color: rgb(107,  
114, 71) }
```

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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