

Converting Colors

XYZ(13.7112, 10.8825, 2.8363)

Have a look what the booklet for
XYZ(13.7112, 10.8825, 2.8363)
contains.

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Color

**XYZ(13.6742, 10.8541,
2.8132)**

Conversions

Conversions Part 1

Format	Color
Hex	8C4C21
RGB	140, 76, 33
RGB Percent	55%, 30%, 13%
CMY	0.4510, 0.7019, 0.8706
CMYK	0.00, 0.46, 0.76, 0.45
HSL	24°, 62%, 34%
HSV	24°, 76%, 55%
XYZ	13.6742, 10.8541, 2.8132
YIQ	90.2340, 51.9470, 0.1950

Conversions

Conversions Part 2

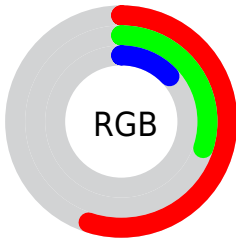
Format	Color
R_{YB}	140, 105, 33
Decimal	9194529
CIE Lab	39.33, 23.49, 36.28
CIE LCh	39, 43.216, 57.080
Yxy	10.8541, 0.5001, 0.3970
Android (android.graphics.Color)	4287384609 (0xFF8C4C21)
YUV	90.2340, -28.2164, 43.6448
Hunter-Lab	32.9456, 16.4325, 17.9992

Details

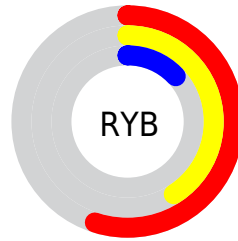
The XYZ color **13.6742, 10.8541, 2.8132** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.6353, 10.7657, 26.3811**, and the grayscale version is **9.8243, 10.3360, 11.2559**.

A 20% lighter version of the original color is **32.1975, 27.5067, 11.2017**, and **4.2106, 2.8598, 0.3301** is the 20% darker color. If you saturate the color by 10%, you get **12.9776, 9.7121, 1.8068**, and if you desaturate by 10%, it is **14.5280, 12.1801, 4.2748**.

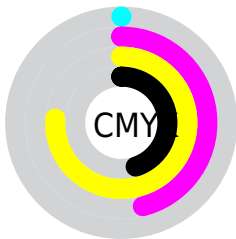
Distribution



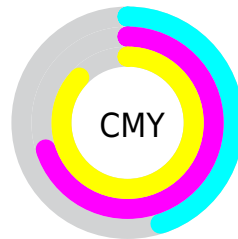
- Red (55%)
- Green (30%)
- Blue (13%)



- Red (55%)
- Yellow (41%)
- Blue (13%)



- Cyan (0%)
- Magenta (46%)
- Yellow (76%)
- Black (45%)





- Cyan (45%)
- Magenta (70%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6742, 10.8541, 2.8132 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 13.6742, 10.8541, 2.8132 by changing the saturation by 10% instead.


 13.6742, 10.8541,
2.8132


 13.6742, 10.8541,
2.8132


208.7459,
196.6638, 133.9447


 7.9746, 5.9688,
1.0001


 32.1009, 27.3901,
11.1639


 4.1304, 2.8261,
0.0000

 45.5588, 39.8095,
18.5386


 1.7762, 1.0416,
0.0000

 62.3334, 55.5092,
28.6041

 0.5032, 0.0000,
0.0000

 82.7902, 74.8734,
41.7792

 0.0000, 0.0000,
0.0000

 107.2945, 98.2865,
58.4822

 136.2116,

126.1331, 79.1318

169.9070,
158.7974, 104.1464

13.6742, 10.8541,
2.8132

13.6742, 10.8541,
2.8132

12.9776, 9.7121,
1.8068

14.5280, 12.1801,
4.2748

12.4198, 8.7408,
1.1762

15.5501, 13.6974,
6.2394

12.2423, 8.4296,
0.9818

16.7510, 15.4150,
8.7494

18.1403, 17.3405,
11.8425

19.7267, 19.4813,
15.5529

■ 21.5183, 21.8441,
19.9123

■ 23.5228, 24.4357,
24.9500

■ 25.7473, 27.2621,
30.6937

■ 28.1987, 30.3295,
37.1695

Harmonies

Analogous

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



16.1585, 10.8541, 5.9110



13.6742, 10.8541, 2.8132



10.6048, 10.8541, 1.9406

Triad

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



13.6742, 10.8541, 2.8132



5.6682, 10.8541, 11.0188



13.0858, 10.8541, 32.6612

Complementary

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



13.6742, 10.8541, 2.8132



9.6353, 10.7657, 26.3811

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.



10.0334, 10.8541, 36.2087



13.6742, 10.8541, 2.8132



6.0856, 10.8541, 20.7409

Square

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



13.6742, 10.8541, 2.8132



6.2888, 10.8541, 5.0623



7.5590, 10.8541, 31.0762



15.7762, 10.8541, 22.8719

Rectangle

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



13.6742, 10.8541, 2.8132



8.7555, 10.8541, 2.1542



7.5590, 10.8541, 31.0762



12.0528, 10.8541, 34.7778

Sweetspot

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



13.6744, 10.8547, 2.8134



35.6706, 35.5312, 29.5610



13.5261, 7.5301, 12.0989



7.9938, 7.8873, 6.2702



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.6744, 10.8547, 2.8134



22.1246, 15.8113, 2.3187



18.9796, 21.4649, 4.5818



5.1871, 5.3570, 5.3130



10.8963, 7.5269, 0.8785



0.0861, 0.0774, 0.0104

Inverse Universe

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



9.6353, 10.7657, 26.3811



14.5638, 15.4944, 45.9661



6.2505, 3.9960, 25.2528



5.0070, 5.3569, 6.3759



7.0243, 7.3190, 23.0882



0.0610, 0.0774, 0.1582

Previews

White Background



This preview shows how the XYZ color 13.6742, 10.8541, 2.8132 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 13.6742, 10.8541, 2.8132 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 13.6742, 10.8541, 2.8132

Background



This preview shows how black text looks on a background with the XYZ color 13.6742, 10.8541, 2.8132.



This preview shows how white text looks on a background with the XYZ color 13.6742, 10.8541,

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

13.6742, 10.8541, 2.8132

Protanopia

9.9731, 10.9117, 3.4143

Deuteranopia

11.1303, 11.0154, 2.7019



Tritanopia

14.7131, 10.7791, 8.1426

Trichromacy



Original Color

13.6742, 10.8541, 2.8132

Protanomaly

11.0628, 10.7257, 3.1563

Deuteranomaly

11.8621, 10.7944, 2.6866

Tritanomaly

14.1827, 10.7541, 5.6032

Monochromacy



Original Color

13.6742, 10.8541, 2.8132

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.5070, 10.1148, 7.0288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6742, 10.8541, 2.8132 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(140, 76, 33)` looks like.

```
.text, #text, p{  
    color:rgb(140, 76, 33)  
}
```

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(140, 76, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 76, 33) }
```

Border

The CSS property to change the border of an element to XYZ 13.6742, 10.8541, 2.8132 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(140, 76, 33) }
```


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

```
.border{ border-color:rgb(140, 76, 33) }
```

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

Here you see how a box with a 4 pixel rgb(140, 76, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 76, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 76, 33);  
box-shadow:4px 4px 4px 4px rgb(140, 76,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6742, 10.8541, 2.8132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 76, 33) }
```

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

```
.background{ background-color: rgb(140, 76,  
33) }
```

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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