

Converting Colors

XYZ(13.8524, 20.3436, 6.8115)

Have a look what the booklet for
XYZ(13.8524, 20.3436, 6.8115)
contains.

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Color

**XYZ(13.8517, 20.3408,
6.8105)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8937
RGB	90, 137, 55
RGB Percent	35%, 54%, 22%
CMY	0.6471, 0.4627, 0.7843
CMYK	0.34, 0.00, 0.60, 0.46
HSL	94°, 43%, 38%
HSV	94°, 60%, 54%
XYZ	13.8517, 20.3408, 6.8105
YIQ	113.5990, -1.6900, -35.4660

Conversions

Conversions Part 2

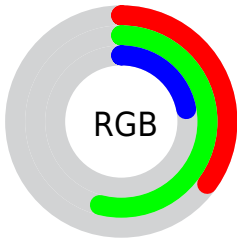
Format	Color
RYB	55, 137, 102
Decimal	5933367
CIELab	52.22, -30.93, 38.23
CIELCh	52, 49.176, 128.975
Yxy	20.3408, 0.3378, 0.4961
Android (android.graphics.Color)	4284123447 (0xFF5A8937)
YUV	113.5990, -28.8893, -20.6963
Hunter-Lab	45.1008, -24.1041, 22.6174

Details

The XYZ color **13.8517, 20.3408, 6.8105** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.3619, 7.3639, 24.4905**, and the grayscale version is **15.9587, 16.7898, 18.2840**.

A 20% lighter version of the original color is **32.5083, 44.1212, 20.1675**, and **4.2559, 7.2521, 1.2329** is the 20% darker color. If you saturate the color by 10%, you get **12.8441, 19.8548, 5.2809**, and if you desaturate by 10%, it is **15.0322, 20.9067, 8.8250**.

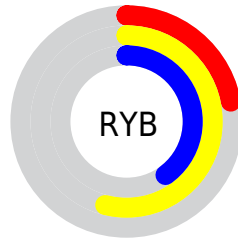
Distribution



Red (35%)

Green (54%)

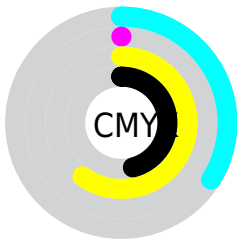
Blue (22%)



Red (22%)

Yellow (54%)

Blue (40%)

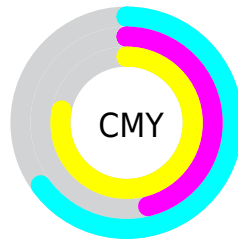


Cyan (34%)

Magenta (0%)

Yellow (60%)

Black (46%)



Cyan (65%)

Magenta (46%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8517, 20.3408, 6.8105 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 13.8517, 20.3408, 6.8105 by changing the saturation by 10% instead.

■ 13.8517, 20.3408,
6.8105

■ 13.8517, 20.3408,
6.8105

209.8354,
253.7541, 175.6504

■ 8.0986, 12.6430,
3.2672

■ 32.4141, 43.9878,
20.0973

■ 4.2104, 7.1832,
1.2326

■ 45.9542, 60.7059,
30.6779

■ 1.8219, 3.5769,
0.0056

■ 62.8206, 81.1994,
44.4414

■ 0.5308, 1.4398,
0.0000

■ 83.3787, 105.8529,
61.8062

■ 0.0000, 0.2458,
0.0000

■ 107.9939,
135.0507, 83.1910

■ 0.0000, 0.0000,
0.0000

■ 137.0315,

169.1773, 109.0143

170.8569,
208.6170, 139.6946

■ 13.8517, 20.3408,
6.8105

■ 13.8517, 20.3408,
6.8105

■ 12.8441, 19.8548,
5.2809

■ 15.0322, 20.9067,
8.8250

■ 11.9977, 19.4417,
4.1940

■ 16.3934, 21.5537,
11.3595

■ 11.3013, 19.0972,
3.5025

■ 17.9444, 22.2865,
14.4472

■ 10.7265, 18.8099,
3.0711

■ 19.6929, 23.1085,
18.1182

■ 10.7186, 18.8059,
3.0650

■ 21.6464, 24.0228,
22.4006

■ 23.8120, 25.0325,
27.3204

■ 26.1962, 26.1405,
32.9023

■ 28.8053, 27.3496,
39.1696

■ 31.6455, 28.6623,
46.1446

Harmonies

Analogous

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



17.8593, 20.3408, 4.4803



13.8517, 20.3408, 6.8105



11.6192, 20.3408, 13.6014

Triad

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



13.8517, 20.3408, 6.8105



16.0579, 20.3408, 59.5126



30.5840, 20.3408, 18.0907

Complementary

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



13.8517, 20.3408, 6.8105



11.3619, 7.3639, 24.4905

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.



29.8740, 20.3408, 33.6840



13.8517, 20.3408, 6.8105



20.8863, 20.3408, 62.4779

Square

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



13.8517, 20.3408, 6.8105



12.7305, 20.3408, 44.6175



26.0984, 20.3408, 51.5236



27.8969, 20.3408, 8.8672

Rectangle

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



13.8517, 20.3408, 6.8105



11.1665, 20.3408, 21.6543



26.0984, 20.3408, 51.5236



30.7434, 20.3408, 22.6485

Sweetspot

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



13.8522, 20.3417, 6.8109



35.7510, 41.6091, 33.4924



15.7060, 14.9932, 5.6809



7.8281, 9.2433, 7.1024



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.



13.8522, 20.3417, 6.8109



22.4014, 35.2634, 8.6412



11.3498, 19.0357, 7.4163



5.1610, 5.7058, 5.3817



9.9972, 17.5237, 2.8555



0.0826, 0.1248, 0.0197

Inverse Universe

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



11.3619, 7.3639, 24.4905



17.4872, 9.7728, 43.3478



15.8165, 9.7045, 22.7033



5.0311, 5.0244, 6.3105



7.1870, 3.2192, 22.2882



0.0645, 0.0300, 0.1488

Previews

White Background



This preview shows how the XYZ color 13.8517, 20.3408, 6.8105 looks on a white 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

Black Background



This preview shows how the XYZ color 13.8517, 20.3408, 6.8105 looks on a black 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

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

XYZ 13.8517, 20.3408, 6.8105

Background



This preview shows how black text looks on a background with the XYZ color 13.8517, 20.3408, 6.8105.



This preview shows how white text looks on a background with the XYZ color 13.8517, 20.3408,

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

13.8517, 20.3408, 6.8105

Protanopia

18.2864, 20.0576, 6.0397

Deuteranopia

20.4309, 20.0554, 7.0692



Tritanopia

17.9729, 20.1860, 27.3751

Trichromacy



Original Color

13.8517, 20.3408, 6.8105

Protanomaly

16.3552, 20.0134, 6.2498

Deuteranomaly

17.3033, 19.7185, 6.8971

Tritanomaly

15.8601, 19.9120, 17.1948

Monochromacy



Original Color

13.8517, 20.3408, 6.8105

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.7610, 17.7126, 12.9968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8517, 20.3408, 6.8105 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(90, 137, 55)` looks like.

```
.text, #text, p{  
    color:rgb(90, 137, 55)  
}
```

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(90, 137, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 137, 55) }
```

Border

The CSS property to change the border of an element to XYZ 13.8517, 20.3408, 6.8105 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(90, 137, 55) }
```


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

```
.border{ border-color:rgb(90, 137, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 137, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 137, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 137, 55);  
box-shadow:4px 4px 4px 4px rgb(90, 137,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8517, 20.3408, 6.8105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 137, 55) }
```

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

```
.background{ background-color: rgb(90, 137,  
55) }
```

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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