

Converting Colors

XYZ(25.1107, 35.6786, 13.2260)

Have a look what the booklet for
XYZ(25.1107, 35.6786, 13.2260)
contains.

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Color

**XYZ(25.1417, 35.8408,
13.1823)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB050
RGB	123, 176, 80
RGB Percent	48%, 69%, 31%
CMY	0.5176, 0.3098, 0.6863
CMYK	0.30, 0.00, 0.55, 0.31
HSL	93°, 38%, 50%
HSV	93°, 55%, 69%
XYZ	25.1417, 35.8408, 13.1823
YIQ	149.2090, -0.7720, -41.0920

Conversions

Conversions Part 2

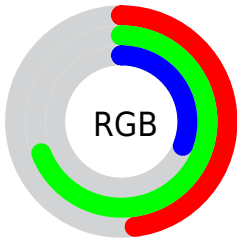
Format	Color
RYB	80, 176, 133
Decimal	8106064
CIELab	66.40, -34.20, 43.13
CIELCh	66, 55.041, 128.417
Yxy	35.8408, 0.3390, 0.4833
Android (android.graphics.Color)	4286296144 (0xFF7BB050)
YUV	149.2090, -34.1200, -22.9853
Hunter-Lab	59.8672, -29.8051, 28.8518

Details

The XYZ color **25.1417, 35.8408, 13.1823** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20.3796, 13.8595, 42.6773**, and the grayscale version is **28.7954, 30.2950, 32.9913**.

A 20% lighter version of the original color is **51.3816, 68.8441, 32.4100**, and **9.8305, 15.5567, 3.6470** is the 20% darker color. If you saturate the color by 10%, you get **23.2532, 34.9339, 10.1329**, and if you desaturate by 10%, it is **27.3403, 36.8901, 17.1368**.

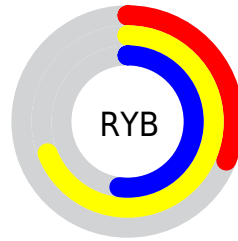
Distribution



Red (48%)

Green (69%)

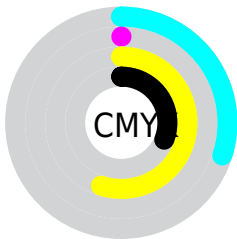
Blue (31%)



Red (31%)

Yellow (69%)

Blue (52%)

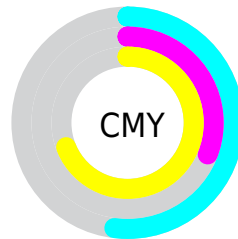


Cyan (30%)

Magenta (0%)

Yellow (55%)

Black (31%)



Cyan (52%)

Magenta (31%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1417, 35.8408, 13.1823 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 25.1417, 35.8408, 13.1823 by changing the saturation by 10% instead.

■ 25.1417, 35.8408,
13.1823

■ 25.1417, 35.8408,
13.1823

270.8775,
328.2642, 223.3314

■ 16.3120, 24.3113,
7.4220

■ 51.3282, 68.7863,
32.3269

■ 9.8374, 15.5647,
3.6450

■ 69.4158, 90.9710,
46.5482

■ 5.3527, 9.2166,
1.4327

■ 91.3199, 117.4763,
64.4270

■ 2.4925, 4.8828,
0.1670

■ 117.4060,
148.6864, 86.3818

■ 0.8915, 2.1786,
0.0000

■ 148.0395,
184.9859, 112.8311

■ 0.0000, 0.7083,
0.0000

183.5857,

■ 0.0000, 0.0000,

226.7591, 144.1934

0.0000

224.4099,
274.3904, 180.8874

■ 25.1417, 35.8408,
13.1823

■ 25.1417, 35.8408,
13.1823

■ 23.2532, 34.9339,
10.1329

■ 27.3403, 36.8901,
17.1368

■ 21.6545, 34.1572,
7.9144

■ 29.8625, 38.0840,
22.0582

■ 20.3268, 33.5039,
6.4448

■ 32.7236, 39.4303,
28.0055

■ 19.2465, 32.9640,
5.6240

■ 35.9376, 40.9350,
35.0323

■ 18.7364, 32.7071,
5.3256

■ 39.5172, 42.6035,
43.1886

■ 43.4747, 44.4412,
52.5212

■ 47.8215, 46.4530,
63.0742

■ 52.5688, 48.6437,
74.8896

■ 57.7271, 51.0179,
88.0071

Harmonies

Analogous

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



31.7997, 35.8408, 9.1547



25.1417, 35.8408, 13.1823



21.3587, 35.8408, 24.6043

Triad

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



25.1417, 35.8408, 13.1823



28.5654, 35.8408, 98.2222



52.2573, 35.8408, 32.7549

Complementary

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



25.1417, 35.8408, 13.1823



20.3796, 13.8595, 42.6773

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.



51.0171, 35.8408, 58.2008



25.1417, 35.8408, 13.1823



36.4367, 35.8408, 103.2878

Square

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



25.1417, 35.8408, 13.1823



23.1023, 35.8408, 74.5384



44.8848, 35.8408, 86.4430



48.0424, 35.8408, 17.0808

Rectangle

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



25.1417, 35.8408, 13.1823



20.5598, 35.8408, 37.7845



44.8848, 35.8408, 86.4430



52.4765, 35.8408, 40.2914

Sweetspot

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



25.1426, 35.8424, 13.1831



64.1176, 73.7445, 61.1783



27.7141, 26.5310, 11.2503



13.6363, 15.8605, 12.6864



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.1426, 35.8424, 13.1831



41.6753, 63.1156, 17.6385



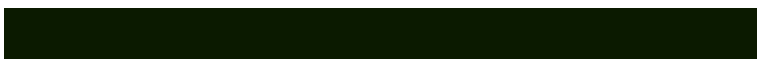
20.4665, 33.4105, 13.9235



8.7383, 9.6702, 9.0585



13.8120, 24.0304, 3.9104



0.5021, 0.7909, 0.1262

Inverse Universe

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



20.3796, 13.8595, 42.6773



32.1455, 19.2236, 76.5116



28.1443, 17.9163, 40.6048



8.4755, 8.4536, 10.6913



9.4485, 4.2067, 30.4510



0.3632, 0.1664, 0.9612

Previews

White Background



This preview shows how the XYZ color 25.1417, 35.8408, 13.1823 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.1417, 35.8408, 13.1823 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 ✓ Pass

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

XYZ 25.1417, 35.8408, 13.1823

Background



This preview shows how black text looks on a background with the XYZ color 25.1417, 35.8408, 13.1823.



This preview shows how white text looks on a background with the XYZ color 25.1417, 35.8408,

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

25.1417, 35.8408, 13.1823

Protanopia

32.3750, 35.4627, 11.7953

Deuteranopia

36.0969, 35.3247, 13.7199



Tritanopia

32.2541, 35.9304, 47.8831

Trichromacy



Original Color

25.1417, 35.8408, 13.1823

Protanomaly

29.0763, 35.0774, 12.2593

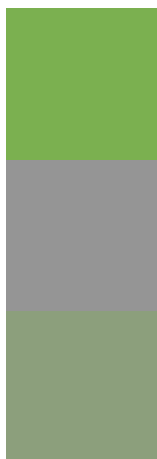
Deuteranomaly

30.9227, 34.6759, 13.4508

Tritanomaly

29.0055, 35.7192, 31.3523

Monochromacy



Original Color

25.1417, 35.8408, 13.1823

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

26.8514, 31.8270, 23.7968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1417, 35.8408, 13.1823 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(123, 176, 80)` looks like.

```
.text, #text, p{  
    color:rgb(123, 176, 80)  
}
```

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(123, 176, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 176, 80) }
```

Border

The CSS property to change the border of an element to XYZ 25.1417, 35.8408, 13.1823 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(123, 176, 80) }
```


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

```
.border{ border-color:rgb(123, 176, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 176, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 176, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 176, 80);  
box-shadow:4px 4px 4px 4px rgb(123, 176,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1417, 35.8408, 13.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 176, 80) }
```

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

```
.background{ background-color: rgb(123,  
176, 80) }
```

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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