

Converting Colors

XYZ(25.8717, 36.2962, 8.9846)

Have a look what the booklet for
XYZ(25.8717, 36.2962, 8.9846)
contains.

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Color

**XYZ(25.8408, 36.2943,
9.0117)**

Conversions

Conversions Part 1

Format	Color
Hex	85B035
RGB	133, 176, 53
RGB Percent	52%, 69%, 21%
CMY	0.4784, 0.3098, 0.7921
CMYK	0.24, 0.00, 0.70, 0.31
HSL	81°, 54%, 45%
HSV	81°, 70%, 69%
XYZ	25.8408, 36.2943, 9.0117
YIQ	149.1210, 13.8550, -47.3690

Conversions

Conversions Part 2

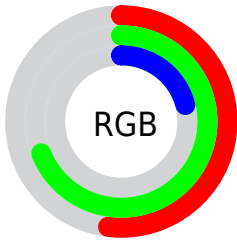
Format	Color
RYB	53, 176, 96
Decimal	8761397
CIELab	66.74, -32.74, 55.50
CIELCh	67, 64.443, 120.539
Yxy	36.2943, 0.3632, 0.5101
Android (android.graphics.Color)	4286951477 (0xFF85B035)
YUV	149.1210, -47.3877, -14.1381
Hunter-Lab	60.2448, -28.8643, 33.3024

Details

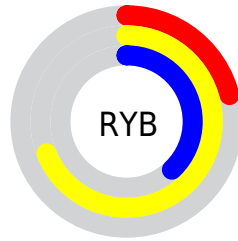
The XYZ color **25.8408, 36.2943, 9.0117** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **13.9350, 8.1686, 41.9187**, and the grayscale version is **28.8082, 30.3084, 33.0059**.

A 20% lighter version of the original color is **52.4967, 69.5936, 24.5760**, and **10.3074, 15.8282, 2.5119** is the 20% darker color. If you saturate the color by 10%, you get **24.5650, 35.6763, 7.2132**, and if you desaturate by 10%, it is **27.3239, 37.0044, 11.5974**.

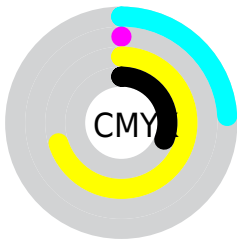
Distribution



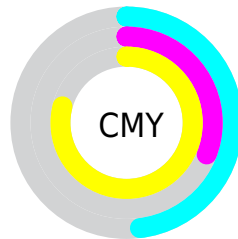
- Red (52%)
- Green (69%)
- Blue (21%)



- Red (21%)
- Yellow (69%)
- Blue (38%)



- Cyan (24%)
- Magenta (0%)
- Yellow (70%)
- Black (31%)



- Cyan (48%)
- Magenta (31%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8408, 36.2943, 9.0117 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 25.8408, 36.2943, 9.0117 by changing the saturation by 10% instead.

■ 25.8408, 36.2943,
9.0117

■ 25.8408, 36.2943,
9.0117

274.2708,
330.2450, 193.6864

■ 16.8366, 24.6616,
4.6519

■ 52.4511, 69.4861,
24.4973

■ 10.2127, 15.8251,
1.9894

■ 70.7880, 91.8139,
36.4602

■ 5.6035, 9.4005,
0.5487

■ 92.9665, 118.4756,
51.7945

■ 2.6439, 5.0033,
0.0000

■ 119.3520,
149.8554, 70.9187

■ 0.9684, 2.2492,
0.0000

■ 150.3098,
186.3379, 94.2515

■ 0.0000, 0.7466,
0.0000

■ 186.2053,

■ 0.0000, 0.0000,

228.3074, 122.2114

0.0000

227.4038,
276.1483, 155.2168

■ 25.8408, 36.2943,
9.0117

■ 25.8408, 36.2943,
9.0117

■ 24.5650, 35.6763,
7.2132

■ 27.3239, 37.0044,
11.5974

■ 23.4758, 35.1381,
6.1089

■ 29.0273, 37.8080,
15.0449

■ 22.5370, 34.6664,
5.5093

■ 30.9657, 38.7123,
19.4228

■ 22.5266, 34.6612,
5.5030

■ 33.1515, 39.7226,
24.7923

■ 35.5963, 40.8434,
31.2092

■ 38.3107, 42.0792,
38.7251

■ 41.3047, 43.4340,
47.3884

■ 44.5877, 44.9117,
57.2445

■ 48.1687, 46.5160,
68.3362

Harmonies

Analogous

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



34.3211, 36.2943, 6.5143



25.8408, 36.2943, 9.0117



20.6425, 36.2943, 18.5976

Triad

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



25.8408, 36.2943, 9.0117



26.0929, 36.2943, 106.8896



56.7768, 36.2943, 39.0167

Complementary

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



25.8408, 36.2943, 9.0117



13.9350, 8.1686, 41.9187

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.



53.4735, 36.2943, 72.1424



25.8408, 36.2943, 9.0117



34.6728, 36.2943, 120.8993

Square

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



25.8408, 36.2943, 9.0117



20.7677, 36.2943, 73.4535



44.8972, 36.2943, 105.9146



53.2383, 36.2943, 18.0747

Rectangle

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



25.8408, 36.2943, 9.0117



19.1439, 36.2943, 31.3529



44.8972, 36.2943, 105.9146



56.4241, 36.2943, 48.9910

Sweetspot

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



25.8416, 36.2959, 9.0125



63.8687, 73.7582, 54.7508



22.5512, 17.4938, 5.5567



13.5774, 15.8637, 11.1637



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.



25.8416, 36.2959, 9.0125



43.4076, 64.1392, 11.8196



18.9549, 32.7456, 8.6902



8.9029, 9.7550, 9.0662



16.5923, 25.4637, 4.0405



0.5822, 0.8322, 0.1299

Inverse Universe

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



13.9350, 8.1686, 41.9187



20.5888, 9.9413, 75.3290



22.7247, 12.6999, 42.3301



8.3129, 8.3698, 10.6837



7.2441, 3.0702, 30.3478



0.2925, 0.1299, 0.9579

Previews

White Background



This preview shows how the XYZ color 25.8408, 36.2943, 9.0117 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 25.8408, 36.2943, 9.0117 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 25.8408, 36.2943, 9.0117

Background



This preview shows how black text looks on a background with the XYZ color 25.8408, 36.2943, 9.0117.



This preview shows how white text looks on a background with the XYZ color 25.8408, 36.2943,

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

25.8408, 36.2943, 9.0117

Protanopia

32.5308, 35.8862, 8.1179

Deuteranopia

36.7550, 36.0047, 9.4273



Tritanopia

33.4240, 36.0211, 46.7861

Trichromacy



Original Color

25.8408, 36.2943, 9.0117

Protanomaly

29.7043, 35.7602, 8.3544

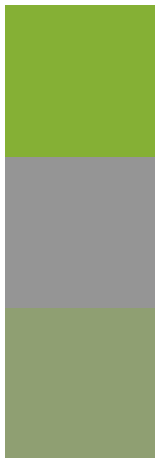
Deuteranomaly

31.8155, 35.4933, 9.1770

Tritanomaly

29.4952, 35.5108, 27.1295

Monochromacy



Original Color

25.8408, 36.2943, 9.0117

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

26.7631, 31.8508, 20.6568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8408, 36.2943, 9.0117 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(133, 176, 53)` looks like.

```
.text, #text, p{  
    color:rgb(133, 176, 53)  
}
```

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(133, 176, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 176, 53) }
```

Border

The CSS property to change the border of an element to XYZ 25.8408, 36.2943, 9.0117 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(133, 176, 53) }
```


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

```
.border{ border-color:rgb(133, 176, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 176, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 176, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 176, 53);  
box-shadow:4px 4px 4px 4px rgb(133, 176,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8408, 36.2943, 9.0117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 176, 53) }
```

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

```
.background{ background-color: rgb(133,  
176, 53) }
```

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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