

Converting Colors

XYZ(13.2849, 25.3824, 4.5097)

Have a look what the booklet for
XYZ(13.2849, 25.3824, 4.5097)
contains.

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Color

**XYZ(13.3588, 25.5408,
4.5424)**

Conversions

Conversions Part 1

Format	Color
Hex	24A00B
RGB	36, 160, 11
RGB Percent	14%, 63%, 4%
CMY	0.8588, 0.3725, 0.9568
CMYK	0.77, 0.00, 0.93, 0.37
HSL	110°, 87%, 34%
HSV	110°, 93%, 63%
XYZ	13.3588, 25.5408, 4.5424
YIQ	105.9380, -26.0750, -72.6270

Conversions

Conversions Part 2

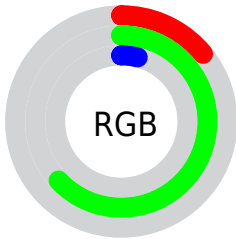
Format	Color
RYB	11, 160, 135
Decimal	2400267
CIELab	57.60, -57.27, 57.53
CIElCh	58, 81.177, 134.871
Yxy	25.5408, 0.3075, 0.5879
Android (android.graphics.Color)	4280590347 (0xFF24A00B)
YUV	105.9380, -46.8044, -61.3356
Hunter-Lab	50.5379, -41.2580, 30.0475

Details

The XYZ color **13.3588, 25.5408, 4.5424** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.4591, 7.9299, 33.9221**, and the grayscale version is **13.8130, 14.5324, 15.8257**.

A 20% lighter version of the original color is **31.5693, 52.5766, 15.3219**, and **5.2577, 10.5154, 1.7526** is the 20% darker color. If you saturate the color by 10%, you get **13.0190, 25.3734, 4.2114**, and if you desaturate by 10%, it is **14.0513, 25.8827, 5.2930**.

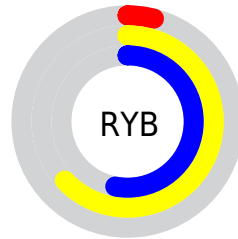
Distribution



Red (14%)

Green (63%)

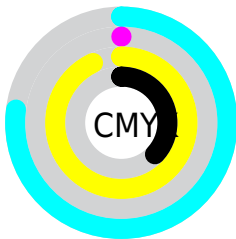
Blue (4%)



Red (4%)

Yellow (63%)

Blue (53%)

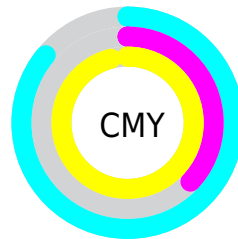


Cyan (77%)

Magenta (0%)

Yellow (93%)

Black (37%)



Cyan (86%)

Magenta (37%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3588, 25.5408, 4.5424 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 13.3588, 25.5408, 4.5424 by changing the saturation by 10% instead.

■ 13.3588, 25.5408,
4.5424

■ 13.3588, 25.5408,
4.5424

206.7960,
280.5206, 154.0758

■ 7.7548, 16.4804,
1.9274

■ 31.5428, 52.5332,
15.2425

■ 3.9889, 9.8648,
0.5101

■ 44.8534, 71.2340,
24.1647

■ 1.6959, 5.3094,
0.0000

■ 61.4636, 93.9171,
36.0264

■ 0.4537, 2.4299,
0.0000

■ 81.7388, 120.9669,
51.2461


■ 0.0000, 0.8412,
0.0000


■ 106.0443,
152.7677, 70.2424


■ 0.0000, 0.0000,
0.0000


■ 134.7454,


189.7040, 93.4337


 168.2075,
232.1602, 121.2387


 13.3588, 25.5408,
4.5424

 13.3588, 25.5408,
4.5424


 13.0190, 25.3734,
4.2114

 14.0513, 25.8827,
5.2930

 15.0343, 26.3619,
6.5828

 16.3378, 26.9930,
8.4887

 17.9874, 27.7879,
11.0748

 20.0063, 28.7573,
14.3971

■ 22.4154, 29.9107,
18.5060

■ 25.2339, 31.2573,
23.4472

■ 28.4801, 32.8054,
29.2630

■ 32.1707, 34.5628,
35.9930

Harmonies

Analogous

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



19.8002, 25.5408, 1.5466



13.3588, 25.5408, 4.5424



10.3639, 25.5408, 16.0765

Triad

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



13.3588, 25.5408, 4.5424



19.7297, 25.5408, 117.6972



47.1089, 25.5408, 16.2379

Complementary

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



13.3588, 25.5408, 4.5424



16.4591, 7.9299, 33.9221

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.



47.0752, 25.5408, 44.1939



13.3588, 25.5408, 4.5424



29.3795, 25.5408, 117.8597

Square

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



13.3588, 25.5408, 4.5424



13.3191, 25.5408, 85.0149



39.9399, 25.5408, 85.3727



40.0225, 25.5408, 4.5933

Rectangle

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



13.3588, 25.5408, 4.5424



10.0393, 25.5408, 32.5923



39.9399, 25.5408, 85.3727



47.9807, 25.5408, 23.5192

Sweetspot

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



13.3594, 25.5419, 4.5430



42.9462, 55.3818, 37.5140



22.9031, 24.1878, 3.7786



8.9790, 11.9359, 7.4613



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.3594, 25.5419, 4.5430



23.5205, 46.0086, 7.6409



13.4781, 25.5213, 8.2445



6.6493, 7.4519, 7.0736



10.1680, 19.7785, 3.2817



0.2072, 0.3667, 0.0599

Inverse Universe

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



16.4591, 7.9299, 33.9221



28.9831, 13.6104, 61.4860



17.5882, 8.9018, 16.3617



6.7949, 6.6983, 8.3414



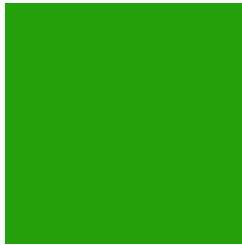
12.5299, 5.8884, 26.3834



0.2505, 0.1189, 0.4730

Previews

White Background



This preview shows how the XYZ color 13.3588, 25.5408, 4.5424 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 13.3588, 25.5408, 4.5424 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 13.3588, 25.5408, 4.5424

Background



This preview shows how black text looks on a background with the XYZ color 13.3588, 25.5408, 4.5424.



This preview shows how white text looks on a background with the XYZ color 13.3588, 25.5408,

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

13.3588, 25.5408, 4.5424

Protanopia

22.6060, 25.1455, 3.6621

Deuteranopia

25.5346, 24.9769, 5.1443



Tritanopia

20.0045, 25.5239, 37.5905

Trichromacy



Original Color

13.3588, 25.5408, 4.5424



Protanomaly

16.9829, 24.0113, 3.8544



Deuteranomaly

17.8911, 23.3398, 4.5990



Tritanomaly

15.8562, 24.7837, 17.5837

Monochromacy



Original Color

13.3588, 25.5408, 4.5424



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

11.9915, 17.1260, 8.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3588, 25.5408, 4.5424 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(36, 160, 11)` looks like.

```
.text, #text, p{  
    color:rgb(36, 160, 11)  
}
```

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(36, 160, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 160, 11) }
```

Border

The CSS property to change the border of an element to XYZ 13.3588, 25.5408, 4.5424 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(36, 160, 11) }
```


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

```
.border{ border-color:rgb(36, 160, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 160, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 160, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 160, 11);  
box-shadow:4px 4px 4px 4px rgb(36, 160,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3588, 25.5408, 4.5424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 160, 11) }
```

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

```
.background{ background-color: rgb(36, 160,  
11) }
```

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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