

Converting Colors

XYZ(13.7212, 25.0636, 11.4326)

Have a look what the booklet for
XYZ(13.7212, 25.0636, 11.4326)
contains.

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Color

**XYZ(13.7383, 25.0699,
11.5120)**

Conversions

Conversions Part 1

Format	Color
Hex	089E4F
RGB	8, 158, 79
RGB Percent	3%, 62%, 31%
CMY	0.9686, 0.3804, 0.6902
CMYK	0.95, 0.00, 0.50, 0.38
HSL	148°, 90%, 33%
HSV	148°, 95%, 62%
XYZ	13.7383, 25.0699, 11.5120
YIQ	104.1440, -64.0410, -56.3690

Conversions

Conversions Part 2

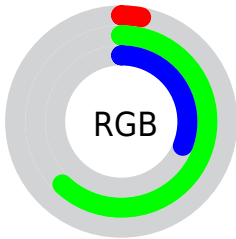
Format	Color
RYB	8, 110, 158
Decimal	564815
CIELab	57.14, -52.87, 31.54
CIELCh	57, 61.563, 149.184
Yxy	25.0699, 0.2730, 0.4982
Android (android.graphics.Color)	4278754895 (0xFF089E4F)
YUV	104.1440, -12.3960, -84.3183
Hunter-Lab	50.0699, -38.6449, 21.4170

Details

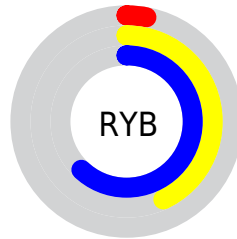
The XYZ color **13.7383, 25.0699, 11.5120** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.9086, 8.1314, 9.7493**, and the grayscale version is **13.2420, 13.9316, 15.1716**.

A 20% lighter version of the original color is **32.2923, 51.8785, 29.4307**, and **5.2989, 10.2021, 2.9862** is the 20% darker color. If you saturate the color by 10%, you get **13.4900, 24.9598, 10.7249**, and if you desaturate by 10%, it is **14.3330, 25.3400, 13.2220**.

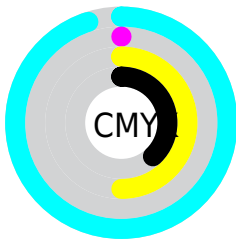
Distribution



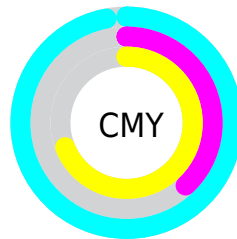
- Red (3%)
- Green (62%)
- Blue (31%)



- Red (3%)
- Yellow (43%)
- Blue (62%)



- Cyan (95%)
- Magenta (0%)
- Yellow (50%)
- Black (38%)





- Cyan (97%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7383, 25.0699, 11.5120 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 13.7383, 25.0699, 11.5120 by changing the saturation by 10% instead.


 13.7383, 25.0699,
11.5120


 13.7383, 25.0699,
11.5120


209.1400,
278.1859, 212.0092


 8.0194, 16.1291,
6.2938


 32.2141, 51.7706,
29.2541


 4.1592, 9.6156,
2.9529


 45.7017, 70.2993,
42.6152


 1.7926, 5.1448,
1.0706

 62.5095, 92.7928,
59.5276

 0.5132, 2.3325,
0.0000

 83.0030, 119.6355,
80.4099

 0.0000, 0.7908,
0.0000

 107.5474,
151.2118, 105.6807

 0.0000, 0.0000,
0.0000

 136.5081,

187.9060, 135.7585

170.2506,
230.1025, 171.0618

■ 13.7383, 25.0699,
11.5120

■ 13.7383, 25.0699,
11.5120

■ 13.4900, 24.9598,
10.7249

■ 14.3330, 25.3400,
13.2220

■ 15.1822, 25.7360,
15.1483

■ 16.3223, 26.2773,
17.2997

■ 17.7819, 26.9784,
19.6839

■ 19.5859, 27.8522,
22.3080

■ 21.7568, 28.9101,
25.1789

■ 24.3150, 30.1624,
28.3030

■ 27.2794, 31.6188,
31.6868

■ 30.6677, 33.2882,
35.3361

Harmonies

Analogous

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



17.6493, 25.0699, 5.1569



13.7383, 25.0699, 11.5120



12.4187, 25.0699, 26.7312

Triad

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



13.7383, 25.0699, 11.5120



23.6298, 25.0699, 89.9552



38.2106, 25.0699, 12.0758

Complementary

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



13.7383, 25.0699, 11.5120



15.9086, 8.1314, 9.7493

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.



40.6879, 25.0699, 27.8704



13.7383, 25.0699, 11.5120



31.3032, 25.0699, 79.1874

Square

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



13.7383, 25.0699, 11.5120



17.3688, 25.0699, 78.0344



37.9388, 25.0699, 53.3249



31.7182, 25.0699, 5.3467

Rectangle

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



13.7383, 25.0699, 11.5120



12.9266, 25.0699, 42.6528



37.9388, 25.0699, 53.3249



39.5925, 25.0699, 16.1552

Sweetspot

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



13.7389, 25.0709, 11.5126



42.3920, 53.9089, 49.2921



16.2961, 26.5472, 4.4951



9.1331, 11.9462, 10.5923



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.



13.7389, 25.0709, 11.5126



24.3974, 45.2853, 18.9519



18.0776, 26.8064, 34.3597



6.6749, 7.4507, 7.7226



10.8234, 19.9973, 8.6928



0.2148, 0.3661, 0.2673

Inverse Universe

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



15.9086, 8.1314, 9.7493



28.3554, 14.3002, 15.6735



14.2607, 7.4723, 1.0716



6.7717, 6.7016, 7.6487



12.5703, 6.3327, 7.2542



0.2461, 0.1218, 0.2419

Previews

White Background



This preview shows how the XYZ color 13.7383, 25.0699, 11.5120 looks on a white background.

Color Contrast Check

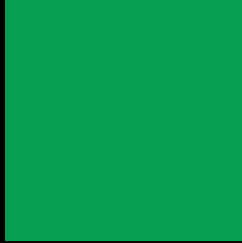
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7383, 25.0699, 11.5120 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 13.7383, 25.0699, 11.5120

Background



This preview shows how black text looks on a background with the XYZ color 13.7383, 25.0699, 11.5120.



This preview shows how white text looks on a background with the XYZ color 13.7383, 25.0699,

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

13.7383, 25.0699, 11.5120

Protanopia

22.5192, 24.5473, 9.5124

Deuteranopia

24.9722, 24.5297, 12.2226



Tritanopia

19.1049, 25.0602, 37.5484

Trichromacy



Original Color

13.7383, 25.0699, 11.5120



Protanomaly

16.2463, 23.0376, 10.0690



Deuteranomaly

17.0028, 22.5065, 11.6317



Tritanomaly

16.2798, 24.5874, 25.3605

Monochromacy



Original Color

13.7383, 25.0699, 11.5120



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.7275, 16.5067, 13.3945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7383, 25.0699, 11.5120 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(8, 158, 79)` looks like.

```
.text, #text, p{  
    color:rgb(8, 158, 79)  
}
```

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(8, 158, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 158, 79) }
```

Border

The CSS property to change the border of an element to XYZ 13.7383, 25.0699, 11.5120 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(8, 158, 79) }
```


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

```
.border{ border-color:rgb(8, 158, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 158, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 158, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 158, 79);  
box-shadow:4px 4px 4px 4px rgb(8, 158, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7383, 25.0699, 11.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 158, 79) }
```

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

```
.background{ background-color: rgb(8, 158,  
79) }
```

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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