

Converting Colors

XYZ(13.8400, 25.1890, 11.2618)

Have a look what the booklet for
XYZ(13.8400, 25.1890, 11.2618)
contains.

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Color

**XYZ(13.8157, 25.1139,
11.3270)**

Conversions

Conversions Part 1

Format	Color
Hex	109E4E
RGB	16, 158, 78
RGB Percent	6%, 62%, 31%
CMY	0.9372, 0.3804, 0.6941
CMYK	0.90, 0.00, 0.51, 0.38
HSL	146°, 82%, 34%
HSV	146°, 90%, 62%
XYZ	13.8157, 25.1139, 11.3270
YIQ	106.4220, -58.9520, -54.9840

Conversions

Conversions Part 2

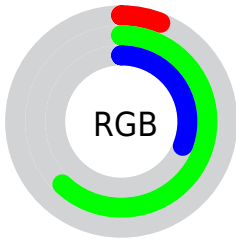
Format	Color
R_{YB}	16, 115, 158
Decimal	1089102
CIE _{Lab}	57.19, -52.56, 32.12
CIE _{LCh}	57, 61.601, 148.571
Yxy	25.1139, 0.2749, 0.4997
Android (android.graphics.Color)	4279279182 (0xFF109E4E)
YUV	106.4220, -14.0120, -79.3001
Hunter-Lab	50.1138, -38.4890, 21.6786

Details

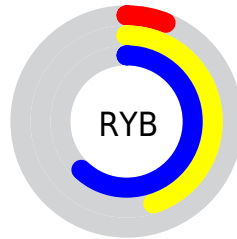
The XYZ color **13.8157, 25.1139, 11.3270** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.3981, 8.4848, 11.8415**, and the grayscale version is **13.8654, 14.5875, 15.8857**.

A 20% lighter version of the original color is **32.4226, 51.9534, 29.0880**, and **5.2859, 10.1969, 2.9179** is the 20% darker color. If you saturate the color by 10%, you get **13.3072, 24.8869, 9.7488**, and if you desaturate by 10%, it is **14.5334, 25.4452, 13.1417**.

Distribution



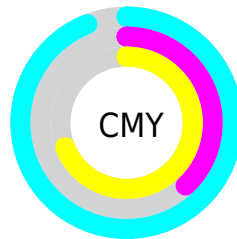
- Red (6%)
- Green (62%)
- Blue (31%)



- Red (6%)
- Yellow (45%)
- Blue (62%)



- Cyan (90%)
- Magenta (0%)
- Yellow (51%)
- Black (38%)



- Cyan (94%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8157, 25.1139, 11.3270 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 13.8157, 25.1139, 11.3270 by changing the saturation by 10% instead.

■ 13.8157, 25.1139,
11.3270

■ 13.8157, 25.1139,
11.3270

209.6149,
278.4047, 210.7148

■ 8.0734, 16.1619,
6.1703

■ 32.3507, 51.8419,
28.9091

■ 4.1942, 9.6388,
2.8784

■ 45.8741, 70.3868,
42.1716

■ 1.8126, 5.1601,
1.0329

■ 62.7219, 92.8981,
58.9731

■ 0.5252, 2.3415,
0.0000

■ 83.2595, 119.7602,
79.7322

■ 0.0000, 0.7956,
0.0000

■ 107.8523,
151.3575, 104.8673

■ 0.0000, 0.0000,
0.0000

■ 136.8655,

188.0744, 134.7971

170.6646,
230.2954, 169.9401

■ 13.8157, 25.1139,
11.3270

■ 13.8157, 25.1139,
11.3270

■ 13.3072, 24.8869,
9.7488

■ 14.5334, 25.4452,
13.1417

■ 13.3010, 24.8841,
9.7297

■ 15.5302, 25.9144,
15.2030

■ 16.8381, 26.5388,
17.5210

■ 18.4841, 27.3318,
20.1047

■ 20.4921, 28.3058,
22.9624

■ 22.8836, 29.4716,
26.1024

■ 25.6784, 30.8394,
29.5322

■ 28.8951, 32.4185,
33.2592

■ 32.5508, 34.2177,
37.2905

Harmonies

Analogous

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



17.7874, 25.1139, 5.0978



13.8157, 25.1139, 11.3270



12.4421, 25.1139, 26.3583

Triad

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



13.8157, 25.1139, 11.3270



23.5230, 25.1139, 90.0976



38.3772, 25.1139, 12.3155

Complementary

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



13.8157, 25.1139, 11.3270



16.3981, 8.4848, 11.8415

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.



40.7558, 25.1139, 28.3555



13.8157, 25.1139, 11.3270



31.2017, 25.1139, 79.7500

Square

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



13.8157, 25.1139, 11.3270



17.2957, 25.1139, 77.7290



37.9007, 25.1139, 53.9942



31.9292, 25.1139, 5.4307

Rectangle

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



13.8157, 25.1139, 11.3270



12.9168, 25.1139, 42.1853



37.9007, 25.1139, 53.9942



39.7305, 25.1139, 16.4704

Sweetspot

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



13.8163, 25.1149, 11.3276



42.6766, 54.0666, 48.8110



17.1945, 27.0045, 4.7966



9.2790, 12.0219, 10.5725



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.



13.8163, 25.1149, 11.3276



24.0571, 45.1492, 17.1597



17.8290, 26.7200, 32.4578



6.6650, 7.4468, 7.6705



10.6715, 19.9365, 7.8931



0.2117, 0.3648, 0.2511

Inverse Universe

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



16.3981, 8.4848, 11.8415



28.7806, 14.4703, 17.9123



14.4671, 7.7124, 1.6728



6.7817, 6.7056, 7.7014



12.7579, 6.4077, 8.2420



0.2492, 0.1230, 0.2581

Previews

White Background



This preview shows how the XYZ color 13.8157, 25.1139, 11.3270 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 13.8157, 25.1139, 11.3270 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

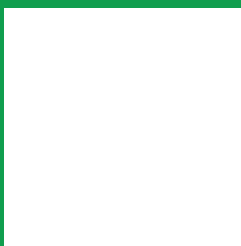
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8157, 25.1139, 11.3270

Background



This preview shows how black text looks on a background with the XYZ color 13.8157, 25.1139, 11.3270.



This preview shows how white text looks on a background with the XYZ color 13.8157, 25.1139,

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

13.8157, 25.1139, 11.3270

Protanopia

22.5192, 24.5473, 9.5124

Deuteranopia

25.1394, 24.6205, 12.0216



Tritanopia

19.1671, 25.0922, 37.5513

Trichromacy



Original Color

13.8157, 25.1139, 11.3270



Protanomaly

16.5761, 23.2076, 10.0844



Deuteranomaly

17.4566, 22.7449, 11.4528



Tritanomaly

16.4072, 24.6531, 25.3665

Monochromacy



Original Color

13.8157, 25.1139, 11.3270



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.1926, 16.9282, 13.6912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8157, 25.1139, 11.3270 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(16, 158, 78)` looks like.

```
.text, #text, p{  
    color:rgb(16, 158, 78)  
}
```

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(16, 158, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 158, 78) }
```

Border

The CSS property to change the border of an element to XYZ 13.8157, 25.1139, 11.3270 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(16, 158, 78) }
```


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

```
.border{ border-color:rgb(16, 158, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 158, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 158, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 158, 78);  
box-shadow:4px 4px 4px 4px rgb(16, 158,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8157, 25.1139, 11.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 158, 78) }
```

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

```
.background{ background-color: rgb(16, 158,  
78) }
```

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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