

Converting Colors

XYZ(13.6414, 24.9696, 10.8299)

Have a look what the booklet for
XYZ(13.6414, 24.9696, 10.8299)
contains.

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Color

**XYZ(13.6780, 25.0551,
10.7718)**

Conversions

Conversions Part 1

Format	Color
Hex	0E9E4B
RGB	14, 158, 75
RGB Percent	5%, 62%, 29%
CMY	0.9451, 0.3804, 0.7059
CMYK	0.91, 0.00, 0.53, 0.38
HSL	145°, 84%, 34%
HSV	145°, 91%, 62%
XYZ	13.6780, 25.0551, 10.7718
YIQ	105.4820, -59.1810, -56.3410

Conversions

Conversions Part 2

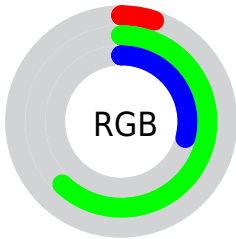
Format	Color
R_{YB}	14, 115, 158
Decimal	958027
CIE _{Lab}	57.13, -53.19, 33.59
CIE _{LCh}	57, 62.909, 147.733
Yxy	25.0551, 0.2763, 0.5061
Android (android.graphics.Color)	4279148107 (0xFF0E9E4B)
YUV	105.4820, -15.0276, -80.2297
Hunter-Lab	50.0551, -38.8196, 22.2794

Details

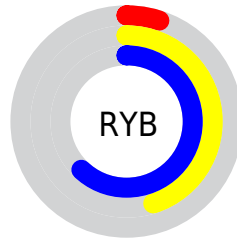
The XYZ color **13.6780, 25.0551, 10.7718** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.4163, 8.4469, 12.0763**, and the grayscale version is **13.6103, 14.3191, 15.5935**.

A 20% lighter version of the original color is **32.2261, 51.8748, 28.0530**, and **5.2494, 10.1823, 2.7256** is the 20% darker color. If you saturate the color by 10%, you get **13.2383, 24.8591, 9.3995**, and if you desaturate by 10%, it is **14.3617, 25.3696, 12.5499**.

Distribution



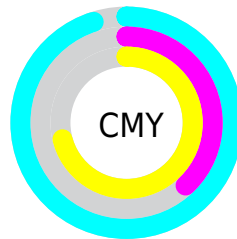
- Red (5%)
- Green (62%)
- Blue (29%)



- Red (5%)
- Yellow (45%)
- Blue (62%)



- Cyan (91%)
- Magenta (0%)
- Yellow (53%)
- Black (38%)



- Cyan (95%)
- Magenta (38%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6780, 25.0551, 10.7718 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 13.6780, 25.0551, 10.7718 by changing the saturation by 10% instead.

■ 13.6780, 25.0551,
10.7718

■ 13.6780, 25.0551,
10.7718

208.7693,
278.1122, 206.7761

■ 7.9773, 16.1181,
5.8014

■ 32.1076, 51.7466,
27.8676

■ 4.1321, 9.6078,
2.6578

■ 45.5673, 70.2699,
40.8300

■ 1.7771, 5.1397,
0.9221

■ 62.3439, 92.7574,
57.2935

■ 0.5038, 2.3295,
0.0000

■ 82.8028, 119.5936,
77.6766

■ 0.0000, 0.7892,
0.0000

■ 107.3095,
151.1627, 102.3979

■ 0.0000, 0.0000,
0.0000

■ 136.2292,

187.8493, 131.8759

169.9274,
230.0377, 166.5291

■ 13.6780, 25.0551,
10.7718

■ 13.6780, 25.0551,
10.7718

■ 13.2383, 24.8591,
9.3995

■ 14.3617, 25.3696,
12.5499

■ 15.3219, 25.8206,
14.5827

■ 16.5914, 26.4255,
16.8811

■ 18.1978, 27.1984,
19.4546

■ 20.1654, 28.1515,
22.3124

■ 22.5161, 29.2960,
25.4630

■ 25.2701, 30.6422,
28.9147

■ 28.4460, 32.1995,
32.6755

■ 32.0614, 33.9768,
36.7528

Harmonies

Analogous

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



17.7763, 25.0551, 4.7493



13.6780, 25.0551, 10.7718



12.2194, 25.0551, 25.6969

Triad

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



13.6780, 25.0551, 10.7718



23.2545, 25.0551, 91.8055



38.7951, 25.0551, 12.3491

Complementary

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



13.6780, 25.0551, 10.7718



16.4163, 8.4469, 12.0763

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.



41.0911, 25.0551, 28.9284



13.6780, 25.0551, 10.7718



31.0844, 25.0551, 81.7361

Square

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



13.6780, 25.0551, 10.7718



16.9843, 25.0551, 78.4243



38.0193, 25.0551, 55.4035



32.2660, 25.0551, 5.2710

Rectangle

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



13.6780, 25.0551, 10.7718



12.6514, 25.0551, 41.7036



38.0193, 25.0551, 55.4035



40.1401, 25.0551, 16.6379

Sweetspot

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



13.6786, 25.0561, 10.7724



42.6054, 54.0381, 48.4363



17.3441, 27.0833, 4.7292



9.2616, 12.0150, 10.4807



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.



13.6786, 25.0561, 10.7724



23.9444, 45.1041, 16.5666



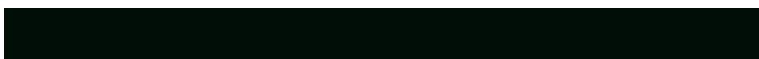
17.5971, 26.6235, 31.4068



6.6615, 7.4454, 7.6521



10.6211, 19.9164, 7.6275



0.2106, 0.3644, 0.2453

Inverse Universe

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



16.4163, 8.4469, 12.0763



28.9398, 14.5340, 18.7509



14.4448, 7.6583, 1.6945



6.7852, 6.7070, 7.7202



12.8280, 6.4358, 8.6110



0.2502, 0.1234, 0.2639

Previews

White Background



This preview shows how the XYZ color 13.6780, 25.0551, 10.7718 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 13.6780, 25.0551, 10.7718 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 13.6780, 25.0551, 10.7718

Background



This preview shows how black text looks on a background with the XYZ color 13.6780, 25.0551, 10.7718.



This preview shows how white text looks on a background with the XYZ color 13.6780, 25.0551,

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

13.6780, 25.0551, 10.7718

Protanopia

22.6100, 24.6050, 9.0264

Deuteranopia

25.0227, 24.5738, 11.4070



Tritanopia

19.1671, 25.0922, 37.5513

Trichromacy



Original Color

13.6780, 25.0551, 10.7718



Protanomaly

16.4774, 23.1682, 9.5647



Deuteranomaly

17.2198, 22.6357, 10.8587



Tritanomaly

16.3397, 24.6261, 25.0112

Monochromacy



Original Color

13.6780, 25.0551, 10.7718



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.9005, 16.6012, 13.1668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6780, 25.0551, 10.7718 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(14, 158, 75)` looks like.

```
.text, #text, p{  
    color:rgb(14, 158, 75)  
}
```

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(14, 158, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 158, 75) }
```

Border

The CSS property to change the border of an element to XYZ 13.6780, 25.0551, 10.7718 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(14, 158, 75) }
```


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

```
.border{ border-color:rgb(14, 158, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 158, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 158, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 158, 75);  
box-shadow:4px 4px 4px 4px rgb(14, 158,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6780, 25.0551, 10.7718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 158, 75) }
```

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

```
.background{ background-color: rgb(14, 158,  
75) }
```

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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