

Converting Colors

XYZ(13.6478, 25.5899, 9.0705)

Have a look what the booklet for
XYZ(13.6478, 25.5899, 9.0705)
contains.

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Color

**XYZ(13.6478, 25.5899,
9.0705)**

Conversions

Conversions Part 1

Format	Color
Hex	0CA040
RGB	12, 160, 64
RGB Percent	5%, 63%, 25%
CMY	0.9529, 0.3725, 0.7490
CMYK	0.92, 0.00, 0.60, 0.37
HSL	141°, 86%, 34%
HSV	141°, 92%, 63%
XYZ	13.6478, 25.5899, 9.0705
YIQ	104.8040, -57.3920, -61.2320

Conversions

Conversions Part 2

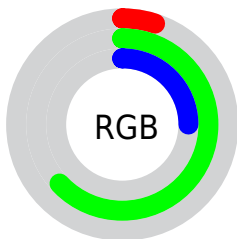
Format	Color
RYB	12, 122, 160
Decimal	827456
CIELab	57.65, -55.61, 39.63
CIELCh	58, 68.287, 144.528
Yxy	25.5899, 0.2825, 0.5297
Android (android.graphics.Color)	4279017536 (0xFF0CA040)
YUV	104.8040, -20.1164, -81.3891
Hunter-Lab	50.5865, -40.3685, 24.7794

Details

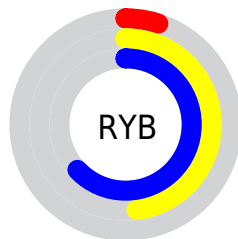
The XYZ color **13.6478, 25.5899, 9.0705** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.3361, 8.8196, 14.9766**, and the grayscale version is **13.4386, 14.1384, 15.3968**.

A 20% lighter version of the original color is **32.0640, 52.6248, 24.6873**, and **5.3181, 10.5396, 2.0707** is the 20% darker color. If you saturate the color by 10%, you get **13.2904, 25.4302, 7.9774**, and if you desaturate by 10%, it is **14.2992, 25.8890, 10.7895**.

Distribution



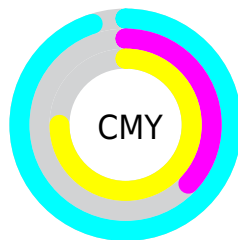
- Red (5%)
- Green (63%)
- Blue (25%)



- Red (5%)
- Yellow (48%)
- Blue (63%)



- Cyan (92%)
- Magenta (0%)
- Yellow (60%)
- Black (37%)





- Cyan (95%)
- Magenta (37%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6478, 25.5899, 9.0705 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 13.6478, 25.5899, 9.0705 by changing the saturation by 10% instead.


 13.6478, 25.5899,
9.0705


 13.6478, 25.5899,
9.0705


208.5834,
280.7631, 194.1403


 7.9562, 16.5171,
4.6898


 32.0543, 52.6126,
24.6118


 4.1185, 9.8908,
2.0109


 45.4999, 71.3313,
36.6093


 1.7694, 5.3266,
0.5619

 62.2608, 94.0341,
51.9830

 0.4991, 2.4401,
0.0000

 82.7025, 121.1053,
71.1511

 0.0000, 0.8464,
0.0000

 107.1902,
152.9295, 94.5324

 0.0000, 0.0000,
0.0000

 136.0894,

189.8909, 122.5454

169.7653,
232.3740, 155.6085

■ 13.6478, 25.5899,
9.0705

■ 13.6478, 25.5899,
9.0705

■ 13.2904, 25.4302,
7.9774

■ 14.2992, 25.8890,
10.7895

■ 15.2403, 26.3302,
12.8233

■ 16.5068, 26.9321,
15.1878

■ 18.1285, 27.7098,
17.8973

■ 20.1315, 28.6766,
20.9651

■ 22.5396, 29.8444,
24.4040

■ 25.3745, 31.2241,
28.2258

■ 28.6561, 32.8259,
32.4421

■ 32.4033, 34.6593,
37.0639

Harmonies

Analogous

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



18.3707, 25.5899, 3.7120



13.6478, 25.5899, 9.0705



11.8044, 25.5899, 23.7925

Triad

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



13.6478, 25.5899, 9.0705



22.8562, 25.5899, 100.8439



41.5797, 25.5899, 13.0572

Complementary

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



13.6478, 25.5899, 9.0705



17.3361, 8.8196, 14.9766

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.



43.5324, 25.5899, 32.3733



13.6478, 25.5899, 9.0705



31.4381, 25.5899, 92.0335

Square

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



13.6478, 25.5899, 9.0705



16.3034, 25.5899, 82.8498



39.4762, 25.5899, 62.9384



34.6157, 25.5899, 4.9462

Rectangle

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



13.6478, 25.5899, 9.0705



12.0722, 25.5899, 40.7299



39.4762, 25.5899, 62.9384



42.9010, 25.5899, 18.0390

Sweetspot

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



13.6484, 25.5909, 9.0711



42.8669, 55.1315, 46.9717



18.8467, 28.3700, 4.8305



8.9641, 11.8785, 9.7021



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.



13.6484, 25.5909, 9.0711



24.0432, 46.1373, 14.0232



17.2961, 27.0500, 28.2795



6.6422, 7.4376, 7.5504



10.3719, 19.8167, 6.3156



0.2045, 0.3620, 0.2135

Inverse Universe

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



17.3361, 8.8196, 14.9766



30.7406, 15.3370, 24.4957



14.9209, 7.8535, 2.2582



6.8051, 6.7150, 7.8247



13.2524, 6.6055, 10.8459



0.2563, 0.1258, 0.2958

Previews

White Background



This preview shows how the XYZ color 13.6478, 25.5899, 9.0705 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 13.6478, 25.5899, 9.0705 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 13.6478, 25.5899, 9.0705

Background



This preview shows how black text looks on a background with the XYZ color 13.6478, 25.5899, 9.0705.



This preview shows how white text looks on a background with the XYZ color 13.6478, 25.5899,

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

13.6478, 25.5899, 9.0705

Protanopia

22.9639, 25.2447, 7.5333

Deuteranopia

25.6482, 25.1355, 9.6307



Tritanopia

19.5423, 25.5113, 38.0766

Trichromacy



Original Color

13.6478, 25.5899, 9.0705



Protanomaly

16.5740, 23.7088, 7.9777



Deuteranomaly

17.4293, 23.2204, 9.1936



Tritanomaly

16.4037, 25.1754, 23.7334

Monochromacy



Original Color

13.6478, 25.5899, 9.0705



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.7776, 16.7450, 12.2842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6478, 25.5899, 9.0705 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(12, 160, 64)` looks like.

```
.text, #text, p{  
    color:rgb(12, 160, 64)  
}
```

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(12, 160, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 160, 64) }
```

Border

The CSS property to change the border of an element to XYZ 13.6478, 25.5899, 9.0705 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(12, 160, 64) }
```


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

```
.border{ border-color:rgb(12, 160, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 160, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 160, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 160, 64);  
box-shadow:4px 4px 4px 4px rgb(12, 160,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6478, 25.5899, 9.0705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 160, 64) }
```

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

```
.background{ background-color: rgb(12, 160,  
64) }
```

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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