

Converting Colors

XYZ(13.9069, 25.1265, 12.9205)

Have a look what the booklet for
XYZ(13.9069, 25.1265, 12.9205)
contains.

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Color

**XYZ(13.9066, 25.1256,
12.9209)**

Conversions

Conversions Part 1

Format	Color
Hex	009E56
RGB	0, 158, 86
RGB Percent	0%, 62%, 34%
CMY	1.0000, 0.3804, 0.6627
CMYK	1.00, 0.00, 0.46, 0.38
HSL	153°, 100%, 31%
HSV	153°, 100%, 62%
XYZ	13.9066, 25.1256, 12.9209
YIQ	102.5500, -71.0560, -55.8880

Conversions

Conversions Part 2

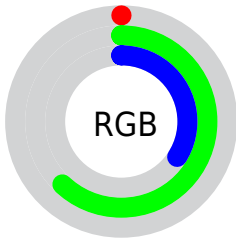
Format	Color
RYB	0, 102, 158
Decimal	40534
CIELab	57.20, -52.04, 27.92
CIELCh	57, 59.054, 151.784
Yxy	25.1256, 0.2677, 0.4836
Android (android.graphics.Color)	4278230614 (0xFF009E56)
YUV	102.5500, -8.1591, -89.9364
Hunter-Lab	50.1254, -38.1972, 19.8046

Details

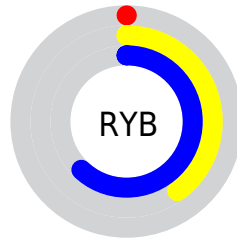
The XYZ color **13.9066, 25.1256, 12.9209** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.2712, 7.7376, 6.8213**, and the grayscale version is **12.8087, 13.4758, 14.6751**.

A 20% lighter version of the original color is **32.5864, 51.9740, 31.9814**, and **5.4178, 10.2496, 3.6123** is the 20% darker color. If you saturate the color by 10%, you get **13.9069, 25.1265, 12.9205**, and if you desaturate by 10%, it is **14.4225, 25.3570, 14.5373**.

Distribution



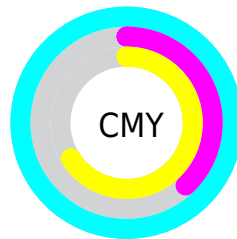
- Red (0%)
- Green (62%)
- Blue (34%)



- Red (0%)
- Yellow (40%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (38%)




- Cyan (100%)
- Magenta (38%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9066, 25.1256, 12.9209 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 13.9066, 25.1256, 12.9209 by changing the saturation by 10% instead.


 13.9066, 25.1256,
12.9209


 13.9066, 25.1256,
12.9209


210.1713,
278.4629, 221.6001


 8.1370, 16.1707,
7.2440


 32.5109, 51.8609,
31.8507


 4.2353, 9.6450,
3.5344


 46.0762, 70.4101,
45.9407


 1.8361, 5.1642,
1.3736


 62.9709, 92.9261,
63.6722

 0.5393, 2.3439,
0.1210

 83.5602, 119.7933,
85.4636

 0.0000, 0.7968,
0.0000

 108.2096,
151.3963, 111.7336

 0.0000, 0.0000,
0.0000

 137.2843,

188.1192, 142.9006

171.1497,
230.3466, 179.3833

■ 13.9066, 25.1256,
12.9209

■ 13.9066, 25.1256,
12.9209

■ 13.9069, 25.1265,
12.9205

■ 14.4225, 25.3570,
14.5373

■ 15.1308, 25.6834,
16.3191

■ 16.1043, 26.1431,
18.2743

■ 17.3739, 26.7516,
20.4085

■ 18.9658, 27.5226,
22.7266

■ 20.9031, 28.4679,
25.2336

■ 23.2069, 29.5981,
27.9338

■ 25.8963, 30.9232,
30.8319

■ 28.9893, 32.4523,
33.9319

Harmonies

Analogous

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



17.4914, 25.1256, 5.9756



13.9066, 25.1256, 12.9209



12.8291, 25.1256, 28.5706

Triad

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



13.9066, 25.1256, 12.9209



24.3010, 25.1256, 86.4955



37.1897, 25.1256, 11.7052

Complementary

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



13.9066, 25.1256, 12.9209



15.2712, 7.7376, 6.8213

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.



39.9482, 25.1256, 26.1792



13.9066, 25.1256, 12.9209



31.6635, 25.1256, 74.7094

Square

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



13.9066, 25.1256, 12.9209



18.0856, 25.1256, 77.0698



37.7534, 25.1256, 49.8283



30.7988, 25.1256, 5.5524

Rectangle

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



13.9066, 25.1256, 12.9209



13.4679, 25.1256, 44.2280



37.7534, 25.1256, 49.8283



38.6229, 25.1256, 15.4370

Sweetspot

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



13.9072, 25.1266, 12.9215



41.8752, 53.6169, 50.4256



15.0314, 25.9002, 4.2073



9.0512, 11.8965, 10.9214



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.



13.9072, 25.1266, 12.9215



25.1521, 45.5872, 22.9260



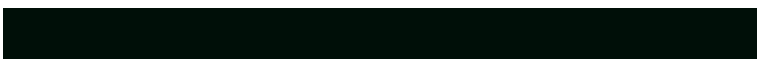
17.5200, 25.1650, 36.2829



6.6941, 7.4584, 7.8240



11.1577, 20.1310, 10.4534



0.2207, 0.3684, 0.2986

Inverse Universe

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



15.2712, 7.7376, 6.8213



27.6327, 14.0111, 11.8681



14.1584, 7.3839, 0.6793



6.7525, 6.6939, 7.5475



12.2495, 6.2043, 5.5646



0.2401, 0.1194, 0.2106

Previews

White Background



This preview shows how the XYZ color 13.9066, 25.1256, 12.9209 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 13.9066, 25.1256, 12.9209 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 13.9066, 25.1256, 12.9209

Background



This preview shows how black text looks on a background with the XYZ color 13.9066, 25.1256, 12.9209.



This preview shows how white text looks on a background with the XYZ color 13.9066, 25.1256,

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

13.9066, 25.1256, 12.9209

Protanopia

22.8985, 24.9254, 10.8119

Deuteranopia

25.1963, 24.8094, 13.8166



Tritanopia

19.0727, 25.0333, 38.0091

Trichromacy



Original Color

13.9066, 25.1256, 12.9209



Protanomaly

16.3299, 23.2778, 11.4170



Deuteranomaly

17.0793, 22.7310, 13.1602



Tritanomaly

16.3306, 24.5898, 26.4398

Monochromacy



Original Color

13.9066, 25.1256, 12.9209



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.4874, 16.1872, 13.8283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9066, 25.1256, 12.9209 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(0, 158, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 86)  
}
```

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(0, 158, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 86) }
```

Border

The CSS property to change the border of an element to XYZ 13.9066, 25.1256, 12.9209 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(0, 158, 86) }
```


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

```
.border{ border-color:rgb(0, 158, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.9066, 25.1256, 12.9209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 86) }
```

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

```
.background{ background-color: rgb(0, 158,  
86) }
```

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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