

Converting Colors

XYZ(6.9474, 15.4044, 12.1520)

Have a look what the booklet for
XYZ(6.9474, 15.4044, 12.1520)
contains.

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Color

**XYZ(9.9195, 16.9539,
12.2008)**

Conversions

Conversions Part 1

Format	Color
Hex	008359
RGB	0, 131, 89
RGB Percent	0%, 51%, 35%
CMY	1.0000, 0.4863, 0.6510
CMYK	1.00, 0.00, 0.32, 0.49
HSL	161°, 100%, 26%
HSV	161°, 100%, 51%
XYZ	9.9195, 16.9539, 12.2008
YIQ	87.0430, -64.5940, -40.8340

Conversions

Conversions Part 2

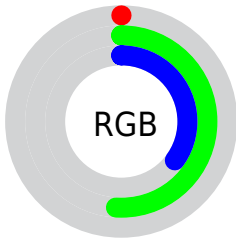
Format	Color
RYB	0, 78, 131
Decimal	33625
CIELab	48.20, -41.32, 14.27
CIELCh	48, 43.720, 160.947
Yxy	16.9539, 0.2539, 0.4339
Android (android.graphics.Color)	4278223705 (0xFF008359)
YUV	87.0430, 0.9648, -76.3367
Hunter-Lab	41.1751, -29.0540, 11.2541

Details

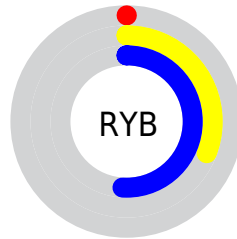
The XYZ color **9.9195, 16.9539, 12.2008** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7786, 4.9929, 2.6398**, and the grayscale version is **9.0771, 9.5498, 10.3998**.

A 20% lighter version of the original color is **25.3174, 38.2675, 30.4781**, and **3.3047, 5.9117, 3.2524** is the 20% darker color. If you saturate the color by 10%, you get **9.9197, 16.9545, 12.2005**, and if you desaturate by 10%, it is **10.2689, 17.1135, 13.1648**.

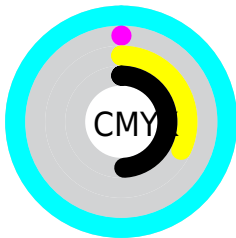
Distribution



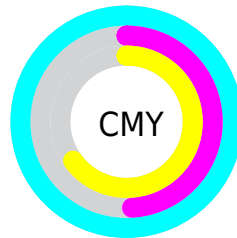
- Red (0%)
- Green (51%)
- Blue (35%)



- Red (0%)
- Yellow (31%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.9195, 16.9539, 12.2008 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 9.9195, 16.9539, 12.2008 by changing the saturation by 10% instead.


 9.9195, 16.9539,
12.2008


 9.9195, 16.9539,
12.2008


184.1622,
234.9066, 216.7550


 5.4075, 10.2016,
6.7564


 25.2950, 38.2465,
30.5301


 2.5255, 5.5328,
3.2341

 36.8892, 53.5556,
44.2522


 0.9081, 2.5632,
1.2154

 51.5749, 72.4858,
61.5705

 0.0000, 0.9082,
0.0000

 69.7173, 95.4214,
82.9036

 0.0000, 0.0000,
0.0000

 91.6819, 122.7470,
108.6700

 117.8341,

154.8467, 139.2884

148.5390,
192.1051, 175.1772

■ 9.9195, 16.9539,
12.2008

■ 9.9195, 16.9539,
12.2008

■ 9.9197, 16.9545,
12.2005

■ 10.2689, 17.1135,
13.1648

■ 10.7245, 17.3262,
14.1869

■ 11.3437, 17.6221,
15.2708

■ 12.1453, 18.0107,
16.4183

■ 13.1452, 18.5004,
17.6309

■ 14.3576, 19.0984,
18.9101

■ 15.7955, 19.8113,
20.2572

■ 17.4706, 20.6452,
21.6735

■ 19.3938, 21.6058,
23.1602

Harmonies

Analogous

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



11.6092, 16.9539, 6.3774



9.9195, 16.9539, 12.2008



9.7187, 16.9539, 22.9331

Triad

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



9.9195, 16.9539, 12.2008



17.6085, 16.9539, 49.3388



22.5985, 16.9539, 7.5155

Complementary

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



9.9195, 16.9539, 12.2008



9.7786, 4.9929, 2.6398

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.



24.8358, 16.9539, 14.6098



9.9195, 16.9539, 12.2008



21.6556, 16.9539, 40.3995

Square

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



9.9195, 16.9539, 12.2008



13.7474, 16.9539, 47.8137



24.4649, 16.9539, 26.5602



18.7381, 16.9539, 4.5431

Rectangle

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



9.9195, 16.9539, 12.2008



10.4114, 16.9539, 32.1474



24.4649, 16.9539, 26.5602



23.5919, 16.9539, 9.3417

Sweetspot

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



9.9199, 16.9546, 12.2012



28.0917, 35.3803, 36.1022



9.1414, 16.7615, 2.7538



6.3151, 8.1255, 8.1999



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.9199, 16.9546, 12.2012



17.6910, 30.3318, 21.4664



9.5838, 12.6124, 23.4029



4.7398, 5.2541, 5.6409



9.7653, 16.6890, 12.0156



0.0372, 0.0592, 0.0592

Inverse Universe

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



9.7786, 4.9929, 2.6398



17.4463, 8.9148, 4.3881



9.6444, 5.3933, 0.5330



4.7296, 4.7115, 5.1882



9.6261, 4.9148, 2.6036



0.0364, 0.0182, 0.0251

Previews

White Background



This preview shows how the XYZ color 9.9195, 16.9539, 12.2008 looks on a white 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

Black Background



This preview shows how the XYZ color 9.9195, 16.9539, 12.2008 looks on a black 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

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

XYZ 9.9195, 16.9539, 12.2008

Background



This preview shows how black text looks on a background with the XYZ color 9.9195, 16.9539, 12.2008.



This preview shows how white text looks on a background with the XYZ color 9.9195, 16.9539,

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

9.9195, 16.9539, 12.2008

Protanopia

15.6709, 16.8397, 10.2090

Deuteranopia

17.1120, 16.8655, 12.9431



Tritanopia

12.7890, 16.9744, 25.5240

Trichromacy



Original Color

9.9195, 16.9539, 12.2008



Protanomaly

11.4586, 15.6927, 10.8126



Deuteranomaly

12.0664, 15.6144, 12.5031



Tritanomaly

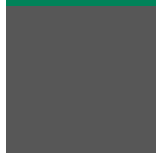
11.3661, 16.7480, 19.7732

Monochromacy



Original Color

9.9195, 16.9539, 12.2008



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

8.1872, 11.2173, 10.9662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9195, 16.9539, 12.2008 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, 131, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 89)  
}
```

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, 131, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 89) }
```

Border

The CSS property to change the border of an element to XYZ 9.9195, 16.9539, 12.2008 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, 131, 89) }
```


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

```
.border{ border-color:rgb(0, 131, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.9195, 16.9539, 12.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 89) }
```

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

```
.background{ background-color: rgb(0, 131,  
89) }
```

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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