

Converting Colors

XYZ(9.8459, 16.4382, 2.6539)

Have a look what the booklet for
XYZ(9.8459, 16.4382, 2.6539)
contains.

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Color

**XYZ(9.8991, 16.5622,
2.6751)**

Conversions

Conversions Part 1

Format	Color
Hex	418000
RGB	65, 128, 0
RGB Percent	25%, 50%, 0%
CMY	0.7451, 0.4980, 1.0000
CMYK	0.49, 0.00, 1.00, 0.50
HSL	90°, 100%, 25%
HSV	90°, 100%, 50%
XYZ	9.8991, 16.5622, 2.6751
YIQ	94.5710, 3.5400, -53.1640

Conversions

Conversions Part 2

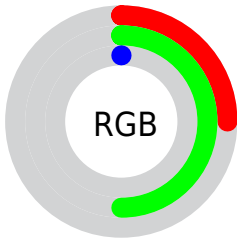
Format	Color
RYB	0, 128, 63
Decimal	4292608
CIELab	47.70, -39.34, 51.69
CIELCh	48, 64.958, 127.272
Yxy	16.5622, 0.3398, 0.5684
Android (android.graphics.Color)	4282482688 (0xFF418000)
YUV	94.5710, -46.6235, -25.9338
Hunter-Lab	40.6967, -27.8007, 24.5904

Details

The XYZ color **9.8991, 16.5622, 2.6751** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.9473, 2.6160, 20.6146**, and the grayscale version is **10.8824, 11.4492, 12.4681**.

A 20% lighter version of the original color is **25.1950, 37.4110, 10.7436**, and **2.7244, 5.4488, 0.9081** is the 20% darker color. If you saturate the color by 10%, you get **9.8991, 16.5627, 2.6752**, and if you desaturate by 10%, it is **10.4115, 16.8186, 3.0719**.

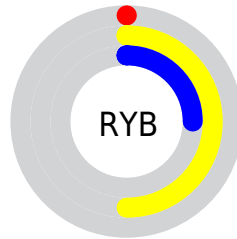
Distribution



Red (25%)

Green (50%)

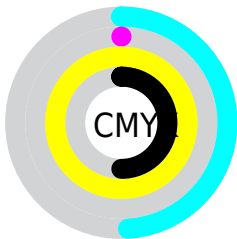
Blue (0%)



Red (0%)

Yellow (50%)

Blue (25%)

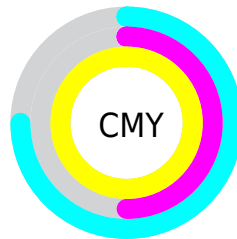


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (75%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8991, 16.5622, 2.6751 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 9.8991, 16.5622, 2.6751 by changing the saturation by 10% instead.

■ 9.8991, 16.5622,
2.6751

■ 9.8991, 16.5622,
2.6751

184.0191,
232.6367, 132.1085

■ 5.3939, 9.9228,
0.9309

■ 25.2569, 37.5715,
10.8156

■ 2.5173, 5.3478,
0.0000

■ 36.8403, 52.7102,
18.0494

■ 0.9040, 2.4528,
0.0000

■ 51.5137, 71.4509,
27.9501

■ 0.0000, 0.8528,
0.0000


■ 69.6425, 94.1778,
40.9365


■ 0.0000, 0.0000,
0.0000


■ 91.5921, 121.2755,
57.4270


■ 117.7278,


153.1283, 77.8401


 148.4150,
190.1205, 102.5944


 9.8991, 16.5622,
2.6751


 9.8991, 16.5622,
2.6751


 9.8991, 16.5627,
2.6752

 10.4115, 16.8186,
3.0719

 11.0109, 17.1148,
3.6777

 11.7234, 17.4620,
4.6212

 12.5579, 17.8638,
5.9425

 13.5222, 18.3236,
7.6762

■ 14.6235, 18.8443,
9.8528

■ 15.8681, 19.4286,
12.5000

■ 17.2620, 20.0790,
15.6434

■ 18.8108, 20.7980,
19.3066

Harmonies

Analogous

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



14.3697, 16.5622, 1.2735



9.8991, 16.5622, 2.6751



7.5222, 16.5622, 8.2810

Triad

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



9.8991, 16.5622, 2.6751



11.8079, 16.5622, 66.5705



29.6282, 16.5622, 14.2791

Complementary

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



9.8991, 16.5622, 2.6751



5.9473, 2.6160, 20.6146

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.



28.4584, 16.5622, 33.4353



9.8991, 16.5622, 2.6751



17.1988, 16.5622, 72.0333

Square

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



9.8991, 16.5622, 2.6751



8.4201, 16.5622, 45.1787



23.5233, 16.5622, 57.3580



26.4110, 16.5622, 4.7682

Rectangle

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



9.8991, 16.5622, 2.6751



7.0117, 16.5622, 16.5529



23.5233, 16.5622, 57.3580



29.7460, 16.5622, 19.5997

Sweetspot

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



9.8995, 16.5629, 2.6755



27.7756, 34.1299, 21.6544



10.6183, 8.0209, 0.9888



6.3156, 7.9029, 4.6649



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.8995, 16.5629, 2.6755



17.2613, 29.0738, 4.7020



7.7464, 15.4530, 2.5747



4.4679, 4.9177, 4.6338



9.8168, 16.4231, 2.6526



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.9473, 2.6160, 20.6146



10.3041, 4.5195, 36.2855



12.4816, 5.9845, 20.9204



4.2947, 4.3075, 5.4184



5.8981, 2.5943, 20.4398



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.8991, 16.5622, 2.6751 looks on a white background.

Color Contrast Check

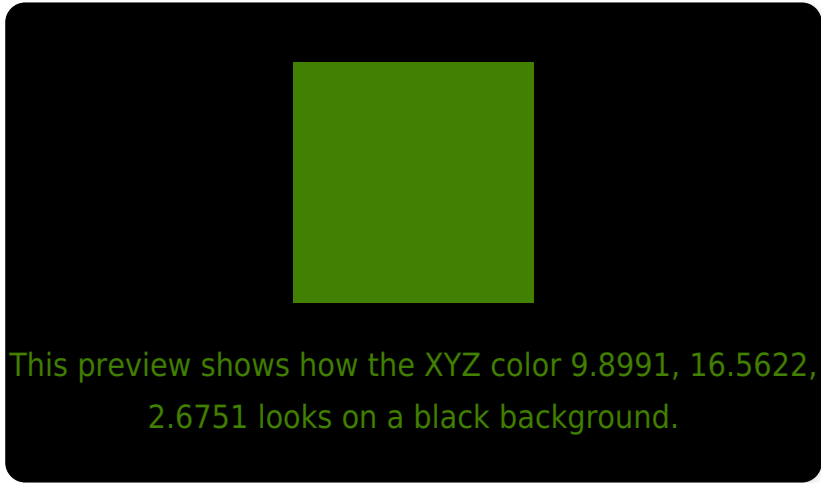
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

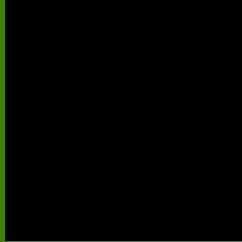
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.8991, 16.5622, 2.6751

Background



This preview shows how black text looks on a background with the XYZ color 9.8991, 16.5622, 2.6751.



This preview shows how white text looks on a background with the XYZ color 9.8991, 16.5622, 2.6751.

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

9.8991, 16.5622, 2.6751

Protanopia

14.6575, 16.3223, 2.3780

Deuteranopia

16.5995, 16.3408, 3.2565



Tritanopia

14.0389, 16.5725, 23.2278

Trichromacy



Original Color

9.8991, 16.5622, 2.6751

Protanomaly

12.1874, 15.8999, 2.4267

Deuteranomaly

13.1713, 15.8793, 2.9011

Tritanomaly

11.4630, 16.0648, 10.4793

Monochromacy



Original Color

9.8991, 16.5622, 2.6751

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

9.7295, 12.7265, 6.2186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8991, 16.5622, 2.6751 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(65, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 128, 0)  
}
```

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(65, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.8991, 16.5622, 2.6751 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(65, 128, 0) }
```


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

```
.border{ border-color:rgb(65, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(65, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 128, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8991, 16.5622, 2.6751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 128, 0) }
```

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

```
.background{ background-color: rgb(65, 128,  
0) }
```

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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