

Converting Colors

XYZ(13.6315, 13.5856, 1.9038)

Have a look what the booklet for
XYZ(13.6315, 13.5856, 1.9038)
contains.

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Color

**XYZ(13.6678, 13.6695,
1.9181)**

Conversions

Conversions Part 1

Format	Color
Hex	826300
RGB	130, 99, 0
RGB Percent	51%, 39%, 0%
CMY	0.4902, 0.6118, 1.0000
CMYK	0.00, 0.24, 1.00, 0.49
HSL	46°, 100%, 25%
HSV	46°, 100%, 51%
XYZ	13.6678, 13.6695, 1.9181
YIQ	96.9830, 50.2550, -24.2170

Conversions

Conversions Part 2

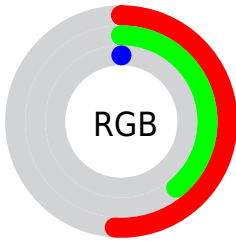
Format	Color
RYB	41, 130, 0
Decimal	8545024
CIELab	43.76, 4.39, 50.99
CIELCh	44, 51.175, 85.082
Yxy	13.6695, 0.4672, 0.4672
Android (android.graphics.Color)	4286735104 (0xFF826300)
YUV	96.9830, -47.8126, 28.9559
Hunter-Lab	36.9723, 1.2858, 22.8047

Details

The XYZ color **13.6678, 13.6695, 1.9181** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.5193, 2.5918, 21.3811**, and the grayscale version is **11.4637, 12.0607, 13.1341**.

A 20% lighter version of the original color is **32.0566, 32.3859, 8.8365**, and **4.2536, 4.0827, 0.5639** is the 20% darker color. If you saturate the color by 10%, you get **13.6680, 13.6699, 1.9182**, and if you desaturate by 10%, it is **14.0401, 14.2979, 2.4007**.

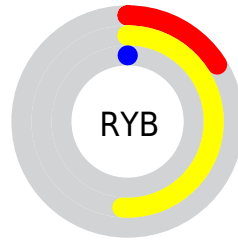
Distribution



Red (51%)

Green (39%)

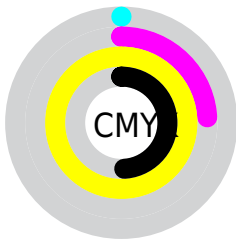
Blue (0%)



Red (16%)

Yellow (51%)

Blue (0%)

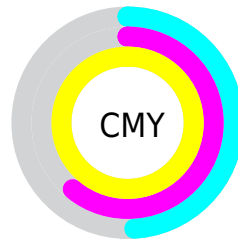


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6678, 13.6695, 1.9181 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 13.6678, 13.6695, 1.9181 by changing the saturation by 10% instead.

13.6678, 13.6695,
1.9181

13.6678, 13.6695,
1.9181

208.7065,
215.1650, 121.0918

7.9701, 7.8912,
0.5042

32.0896, 32.5014,
8.8157

4.1275, 4.0254,
0.0000

45.5445, 46.3238,
15.2057

1.7745, 1.6878,
0.0000

62.3158, 63.5964,
24.1147

0.5022, 0.4157,
0.0000

82.7689, 84.7034,
35.9610


0.0000, 0.0000,
0.0000


107.2692,
110.0294, 51.1634


136.1820,


139.9588, 70.1403


 169.8727,
174.8758, 93.3102


 13.6678, 13.6695,
1.9181


 13.6678, 13.6695,
1.9181


 13.6680, 13.6699,
1.9182

 14.0401, 14.2979,
2.4007

 14.4647, 14.9650,
3.1037

 14.9667, 15.6814,
4.1579

 15.5543, 16.4507,
5.6049

 16.2343, 17.2758,
7.4807

■ 17.0129, 18.1593,
9.8171

■ 17.8956, 19.1036,
12.6428

■ 18.8876, 20.1110,
15.9843

■ 19.9937, 21.1835,
19.8662

Harmonies

Analogous

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



17.9486, 13.6695, 3.0991



13.6678, 13.6695, 1.9181



9.9783, 13.6695, 2.4779

Triad

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



13.6678, 13.6695, 1.9181



7.1649, 13.6695, 26.4043



20.4333, 13.6695, 31.5311

Complementary

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



13.6678, 13.6695, 1.9181



4.5193, 2.5918, 21.3811

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.



16.5596, 13.6695, 45.3638



13.6678, 13.6695, 1.9181



9.0446, 13.6695, 41.4827

Square

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



13.6678, 13.6695, 1.9181



6.7033, 13.6695, 13.0620



12.3397, 13.6695, 49.7210



22.3364, 13.6695, 16.8675

Rectangle

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



13.6678, 13.6695, 1.9181



8.2440, 13.6695, 4.0736



12.3397, 13.6695, 49.7210



19.2840, 13.6695, 36.6793

Sweetspot

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



13.6681, 13.6702, 1.9184



31.4034, 33.5259, 21.8964



9.4736, 4.8530, 1.8401



6.9808, 7.4542, 4.5432



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.



13.6681, 13.6702, 1.9184



23.9538, 23.8406, 3.3392



12.9660, 18.5342, 2.8942



4.5812, 4.8511, 4.6150



13.1109, 13.1181, 1.8410



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.5193, 2.5918, 21.3811



7.8591, 4.3647, 37.6207



4.6407, 1.9270, 21.2464



4.1857, 4.3654, 5.4353



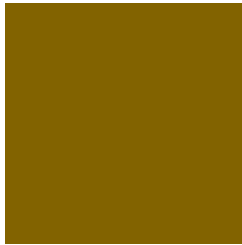
4.3379, 2.4944, 20.5028



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6678, 13.6695, 1.9181 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 13.6678, 13.6695, 1.9181

Background



This preview shows how black text looks on a background with the XYZ color 13.6678, 13.6695, 1.9181.



This preview shows how white text looks on a background with the XYZ color 13.6678, 13.6695,

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

13.6678, 13.6695, 1.9181

Protanopia

12.3248, 13.6979, 2.1954

Deuteranopia

13.7551, 13.5716, 2.0382



Tritanopia

16.0710, 13.7060, 13.6029

Trichromacy



Original Color

13.6678, 13.6695, 1.9181

Protanomaly

12.7993, 13.6491, 2.0748

Deuteranomaly

13.7442, 13.5672, 1.9805

Tritanomaly

14.6623, 13.5298, 6.5414

Monochromacy



Original Color

13.6678, 13.6695, 1.9181

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5439, 12.3344, 6.3298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6678, 13.6695, 1.9181 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(130, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 99, 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(130, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 99, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6678, 13.6695, 1.9181 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(130, 99, 0) }
```


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

```
.border{ border-color:rgb(130, 99, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 99, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6678, 13.6695, 1.9181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 99, 0) }
```

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

```
.background{ background-color: rgb(130, 99,  
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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