

Converting Colors

XYZ(12.9786, 13.1578, 0.0000)

Have a look what the booklet for
XYZ(12.9786, 13.1578, 0.0000)
contains.

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Color

**XYZ(13.4209, 13.4025,
1.8796)**

Conversions

Conversions Part 1

Format	Color
Hex	816200
RGB	129, 98, 0
RGB Percent	51%, 38%, 0%
CMY	0.4941, 0.6157, 1.0000
CMYK	0.00, 0.24, 1.00, 0.49
HSL	46°, 100%, 25%
HSV	46°, 100%, 51%
XYZ	13.4209, 13.4025, 1.8796
YIQ	96.0970, 49.9340, -23.9060

Conversions

Conversions Part 2

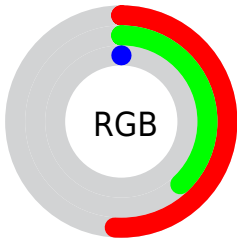
Format	Color
R_YB	41, 129, 0
Decimal	8479232
CIE Lab	43.36, 4.49, 50.66
CIE LCh	43, 50.860, 84.937
Yxy	13.4025, 0.4676, 0.4669
Android (android.graphics.Color)	4286669312 (0xFF816200)
YUV	96.0970, -47.3758, 28.8559
Hunter-Lab	36.6094, 1.3710, 22.5825

Details

The XYZ color **13.4209, 13.4025, 1.8796** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.4525, 2.5650, 21.0290**, and the grayscale version is **11.2452, 11.8309, 12.8838**.

A 20% lighter version of the original color is **31.6290, 31.9347, 8.6347**, and **4.1296, 3.9518, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **13.4210, 13.4029, 1.8797**, and if you desaturate by 10%, it is **13.7889, 14.0234, 2.3576**.

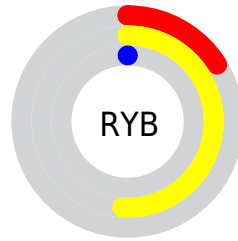
Distribution



Red (51%)

Green (38%)

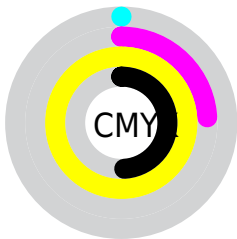
Blue (0%)



Red (16%)

Yellow (51%)

Blue (0%)

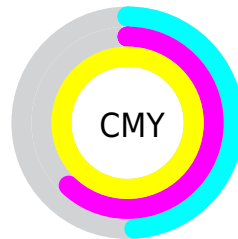


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (49%)



Cyan (49%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4209, 13.4025, 1.8796 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 13.4209, 13.4025, 1.8796 by changing the saturation by 10% instead.


 13.4209, 13.4025,
1.8796


 13.4209, 13.4025,
1.8796


 207.1814,
213.4814, 120.4783


 7.7980, 7.7063,
0.4797


 31.6528, 32.0250,
8.7089


 4.0167, 3.9076,
0.0000

 44.9926, 45.7201,
15.0521


 1.7116, 1.6220,
0.0000

 61.6353, 62.8503,
23.9057

 0.4635, 0.3724,
0.0000

 81.9464, 83.8000,
35.6882


 0.0000, 0.0000,
0.0000


 106.2912,
108.9535, 50.8182


 135.0350,


138.6953, 69.7141


 168.5433,
173.4098, 92.7947


 13.4209, 13.4025,
1.8796


 13.4209, 13.4025,
1.8796


 13.4210, 13.4029,
1.8797

 13.7889, 14.0234,
2.3576

 14.2082, 14.6824,
3.0510

 14.7038, 15.3902,
4.0896

 15.2836, 16.1504,
5.5142

 15.9543, 16.9656,
7.3600

■ 16.7220, 17.8386,
9.6583

■ 17.5922, 18.7717,
12.4372

■ 18.5699, 19.7671,
15.7226

■ 19.6598, 20.8268,
19.5388

Harmonies

Analogous

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



17.6198, 13.4025, 3.0471



13.4209, 13.4025, 1.8796



9.7969, 13.4025, 2.4200

Triad

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



13.4209, 13.4025, 1.8796



7.0176, 13.4025, 25.8211



20.0227, 13.4025, 30.9980

Complementary

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



13.4209, 13.4025, 1.8796



4.4525, 2.5650, 21.0290

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.



16.2172, 13.4025, 44.5435



13.4209, 13.4025, 1.8796



8.8542, 13.4025, 40.6244

Square

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



13.4209, 13.4025, 1.8796



6.5714, 13.4025, 12.7560



12.0800, 13.4025, 48.7589



21.9022, 13.4025, 16.5984

Rectangle

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



13.4209, 13.4025, 1.8796



8.0913, 13.4025, 3.9751



12.0800, 13.4025, 48.7589



18.8926, 13.4025, 36.0453

Sweetspot

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



13.4212, 13.4032, 1.8799



31.3878, 33.4947, 21.8912



9.3174, 4.7728, 1.8148



6.9769, 7.4464, 4.5419



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.



13.4212, 13.4032, 1.8799



23.9133, 23.7597, 3.3257



12.7534, 18.2280, 2.8463



4.5806, 4.8498, 4.6148



13.0892, 13.0747, 1.8338



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.4525, 2.5650, 21.0290



7.8696, 4.3858, 37.6243



4.5660, 1.8962, 20.8939



4.1863, 4.3666, 5.4355



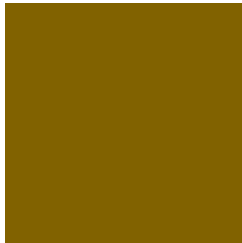
4.3440, 2.5065, 20.5048



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4209, 13.4025, 1.8796 looks on a white background.

Color Contrast Check

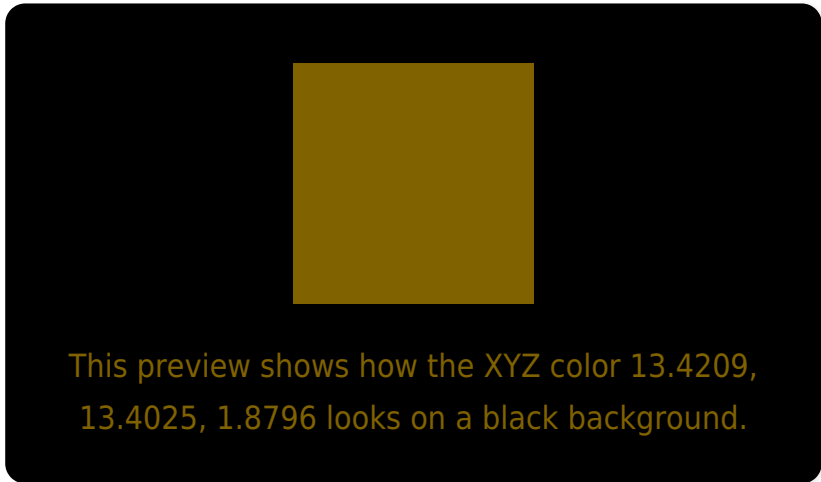
Large Text (above 18pt) WCAG AA ✓ Pass

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

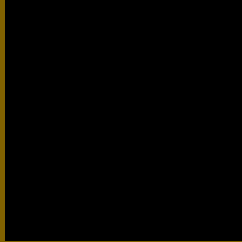
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4209, 13.4025, 1.8796

Background



This preview shows how black text looks on a background with the XYZ color 13.4209, 13.4025, 1.8796.



This preview shows how white text looks on a background with the XYZ color 13.4209, 13.4025,

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

13.4209, 13.4025, 1.8796

Protanopia

12.0911, 13.4288, 2.1558

Deuteranopia

13.5955, 13.4900, 2.0021



Tritanopia

15.7772, 13.4323, 13.3164

Trichromacy



Original Color

13.4209, 13.4025, 1.8796

Protanomaly

12.5608, 13.3811, 2.0356

Deuteranomaly

13.5900, 13.4878, 1.9733

Tritanomaly

14.3879, 13.2587, 6.3583

Monochromacy



Original Color

13.4209, 13.4025, 1.8796

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3013, 12.0745, 6.1498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4209, 13.4025, 1.8796 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(129, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 98, 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(129, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 98, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4209, 13.4025, 1.8796 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(129, 98, 0) }
```


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

```
.border{ border-color:rgb(129, 98, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 98, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 98, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4209, 13.4025, 1.8796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 98, 0) }
```

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

```
.background{ background-color: rgb(129, 98,  
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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