

Converting Colors

XYZ(8.0254, 15.9932, 2.8514)

Have a look what the booklet for
XYZ(8.0254, 15.9932, 2.8514)
contains.

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Color

**XYZ(8.0210, 15.9806,
2.8628)**

Conversions

Conversions Part 1

Format	Color
Hex	008207
RGB	0, 130, 7
RGB Percent	0%, 51%, 3%
CMY	1.0000, 0.4902, 0.9725
CMYK	1.00, 0.00, 0.95, 0.49
HSL	123°, 100%, 25%
HSV	123°, 100%, 51%
XYZ	8.0210, 15.9806, 2.8628
YIQ	77.1080, -37.9970, -65.8130

Conversions

Conversions Part 2

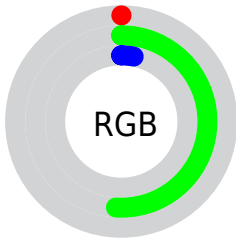
Format	Color
RYB	0, 123, 130
Decimal	33287
CIELab	46.95, -52.02, 49.06
CIELCh	47, 71.504, 136.675
Yxy	15.9806, 0.2986, 0.5949
Android (android.graphics.Color)	4278223367 (0xFF008207)
YUV	77.1080, -34.5632, -67.6237
Hunter-Lab	39.9757, -34.1421, 23.7371

Details

The XYZ color **8.0210, 15.9806, 2.8628** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.7813, 6.1761, 19.2564**, and the grayscale version is **7.1423, 7.5143, 8.1830**.

A 20% lighter version of the original color is **21.6333, 36.4801, 11.2114**, and **2.7960, 5.5920, 0.9320** is the 20% darker color. If you saturate the color by 10%, you get **8.0213, 15.9812, 2.8631**, and if you desaturate by 10%, it is **8.2692, 16.0996, 3.3016**.

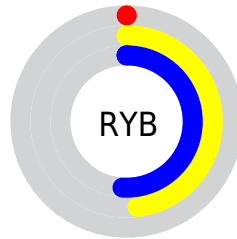
Distribution



Red (0%)

Green (51%)

Blue (3%)



Red (0%)

Yellow (48%)

Blue (51%)

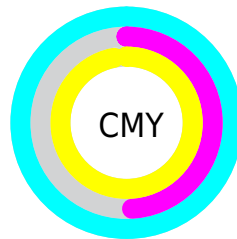


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (49%)



Cyan (100%)

Magenta (49%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.0210, 15.9806, 2.8628 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 8.0210, 15.9806, 2.8628 by changing the saturation by 10% instead.

■ 8.0210, 15.9806,
2.8628

■ 8.0210, 15.9806,
2.8628

170.2632,
229.2272, 134.5935

■ 4.1603, 9.5104,
1.0250

■ 21.6846, 36.5645,
11.2880

■ 1.7932, 5.0756,
0.0000

■ 32.2183, 51.4471,
18.7124

■ 0.5136, 2.2917,
0.0000

■ 45.7069, 69.9025,
28.8362

■ 0.0000, 0.7693,
0.0000


■ 62.5160, 92.3153,
42.0778


■ 0.0000, 0.0000,
0.0000


■ 83.0108, 119.0697,
58.8558


■ 107.5567,


150.5503, 79.5887


 136.5190,
187.1413, 104.6951


 8.0210, 15.9806,
2.8628


 8.0210, 15.9806,
2.8628


 8.0213, 15.9812,
2.8631

 8.2692, 16.0996,
3.3016

 8.6644, 16.2877,
4.0259

 9.2726, 16.5784,
5.0850

 10.1182, 16.9836,
6.5128

 11.2221, 17.5134,
8.3392

■ 12.6031, 18.1769,
10.5908

■ 14.2782, 18.9824,
13.2919

■ 16.2631, 19.9375,
16.4653

■ 18.5722, 21.0491,
20.1319

Harmonies

Analogous

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



11.9973, 15.9806, 0.8704



8.0210, 15.9806, 2.8628



6.2443, 15.9806, 10.6166

Triad

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



8.0210, 15.9806, 2.8628



12.5862, 15.9806, 76.9046



29.8409, 15.9806, 9.2798

Complementary

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



8.0210, 15.9806, 2.8628



12.7813, 6.1761, 19.2564

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.



30.1268, 15.9806, 26.5907



8.0210, 15.9806, 2.8628



18.9020, 15.9806, 75.5114

Square

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



8.0210, 15.9806, 2.8628



8.3498, 15.9806, 56.3256



25.7067, 15.9806, 53.2712



25.0080, 15.9806, 2.4567

Rectangle

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



8.0210, 15.9806, 2.8628



6.1115, 15.9806, 21.7118



25.7067, 15.9806, 53.2712



30.5103, 15.9806, 13.7008

Sweetspot

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



8.0214, 15.9813, 2.8632



24.9260, 33.3234, 23.0570



16.2234, 20.2140, 3.0467



5.3969, 7.4248, 4.8248



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.



8.0214, 15.9813, 2.8632



14.1078, 28.1360, 4.9477



9.1365, 16.4273, 8.7354



4.2847, 4.8222, 4.6705



7.6918, 15.3233, 2.7496



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.7813, 6.1761, 19.2564



22.4905, 10.8690, 33.8186



9.9829, 5.0567, 4.5202



4.4885, 4.4085, 5.3768



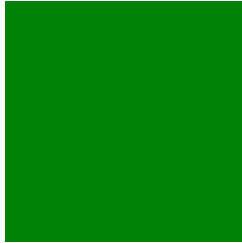
12.2556, 5.9219, 18.4674



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.0210, 15.9806, 2.8628 looks on a white background.

Color Contrast Check

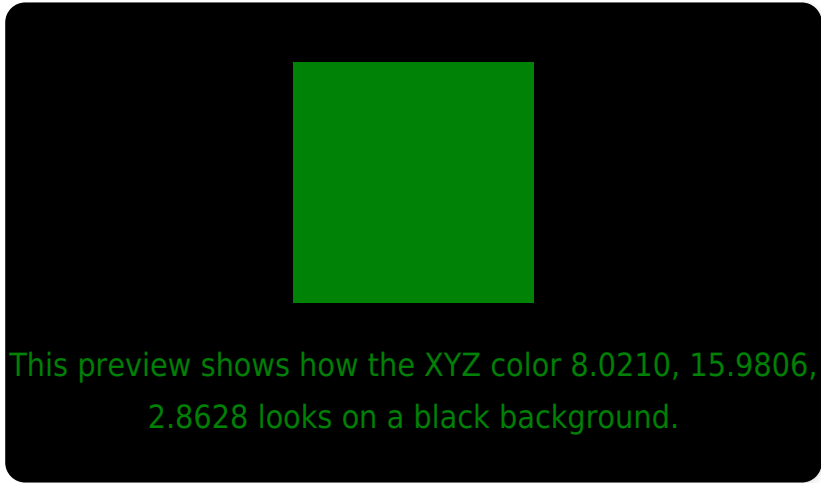
Large Text (above 18pt) WCAG AA ✓ Pass

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

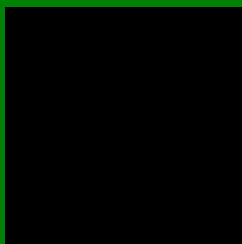
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.0210, 15.9806, 2.8628

Background



This preview shows how black text looks on a background with the XYZ color 8.0210, 15.9806, 2.8628.



This preview shows how white text looks on a background with the XYZ color 8.0210, 15.9806,

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

8.0210, 15.9806, 2.8628

Protanopia

14.1419, 15.7289, 2.2906

Deuteranopia

16.0886, 15.7673, 3.3578



Tritanopia

12.5097, 16.1257, 23.9260

Trichromacy



Original Color

8.0210, 15.9806, 2.8628

Protanomaly

9.8031, 14.6689, 2.4009

Deuteranomaly

10.2725, 14.2126, 2.9114

Tritanomaly

9.5805, 15.4445, 11.2802

Monochromacy



Original Color

8.0210, 15.9806, 2.8628

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

6.0693, 9.2666, 4.7176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.0210, 15.9806, 2.8628 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, 130, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 7)  
}
```

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, 130, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 7) }
```

Border

The CSS property to change the border of an element to XYZ 8.0210, 15.9806, 2.8628 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, 130, 7) }
```


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

```
.border{ border-color:rgb(0, 130, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 130, 7); box-shadow:4px  
4px 4px 4px rgb(0, 130, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 8.0210, 15.9806, 2.8628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 7) }
```

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

```
.background{ background-color: rgb(0, 130,  
7) }
```

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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