

Converting Colors

XYZ(21.8622, 29.2481, 4.4444)

Have a look what the booklet for
XYZ(21.8622, 29.2481, 4.4444)
contains.

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Color

**XYZ(21.8885, 29.1823,
4.4791)**

Conversions

Conversions Part 1

Format	Color
Hex	869D00
RGB	134, 157, 0
RGB Percent	53%, 62%, 0%
CMY	0.4745, 0.3843, 0.9999
CMYK	0.15, 0.00, 1.00, 0.38
HSL	69°, 100%, 31%
HSV	69°, 100%, 62%
XYZ	21.8885, 29.1823, 4.4791
YIQ	132.2250, 36.6890, -53.7030

Conversions

Conversions Part 2

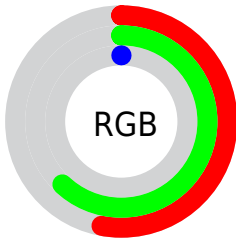
Format	Color
RYB	0, 157, 23
Decimal	8822016
CIELab	60.94, -25.17, 63.62
CIElCh	61, 68.417, 111.587
Yxy	29.1823, 0.3940, 0.5253
Android (android.graphics.Color)	4287012096 (0xFF869D00)
YUV	132.2250, -65.1869, 1.5567
Hunter-Lab	54.0206, -22.2101, 32.8984

Details

The XYZ color **21.8885, 29.1823, 4.4791** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.4401, 2.6171, 32.0658**, and the grayscale version is **22.2336, 23.3914, 25.4733**.

A 20% lighter version of the original color is **46.2319, 58.6444, 15.1861**, and **8.3785, 11.9703, 1.8689** is the 20% darker color. If you saturate the color by 10%, you get **21.8888, 29.1834, 4.4793**, and if you desaturate by 10%, it is **22.3512, 29.4113, 4.9780**.

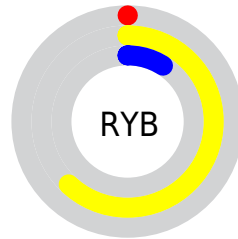
Distribution



Red (53%)

Green (62%)

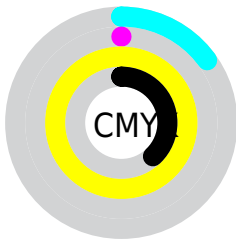
Blue (0%)



Red (0%)

Yellow (62%)

Blue (9%)

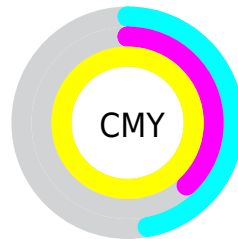


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (47%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8885, 29.1823, 4.4791 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 21.8885, 29.1823, 4.4791 by changing the saturation by 10% instead.

■ 21.8885, 29.1823,
4.4791

■ 21.8885, 29.1823,
4.4791

254.6068,
298.0741, 153.4104

■ 13.8911, 19.2188,
1.8917

■ 46.0419, 58.3666,
15.1004

■ 8.1262, 11.8285,
0.4874

■ 62.9286, 78.3562,
23.9715

■ 4.2283, 6.6270,
0.0000

■ 83.5091, 102.4565,
35.7741

■ 1.8321, 3.2299,
0.0000

■ 108.1489,
131.0521, 50.9269

■ 0.5369, 1.2529,
0.0000

■ 137.2131,
164.5272, 69.8484

■ 0.0000, 0.1043,
0.0000


■ 171.0673,


■ 0.0000, 0.0000,


203.2663, 92.9571


0.0000


 210.0767,
247.6539, 120.6716

 21.8885, 29.1823,
4.4791


 21.8885, 29.1823,
4.4791


 21.8888, 29.1834,
4.4793

 22.3512, 29.4113,
4.9780

 22.8914, 29.6711,
5.8457

 23.5408, 29.9756,
7.2466

 24.3124, 30.3298,
9.2484

 25.2172, 30.7383,
11.9090

■ 26.2649, 31.2049,
15.2794

■ 27.4644, 31.7332,
19.4056

■ 28.8236, 32.3263,
24.3297

■ 30.3501, 32.9873,
30.0908

Harmonies

Analogous

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



30.3249, 29.1823, 3.7340



21.8885, 29.1823, 4.4791



16.3435, 29.1823, 9.9717

Triad

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



21.8885, 29.1823, 4.4791



18.3800, 29.1823, 87.9589



48.4192, 29.1823, 39.5234

Complementary

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



21.8885, 29.1823, 4.4791



6.4401, 2.6171, 32.0658

Split Complementary

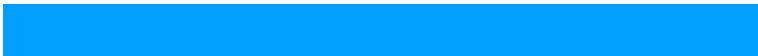
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.4786, 29.1823, 73.1532



21.8885, 29.1823, 4.4791



25.3005, 29.1823, 109.4386

Square

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



21.8885, 29.1823, 4.4791



14.6412, 29.1823, 53.5112



34.5440, 29.1823, 102.9148



46.9564, 29.1823, 16.9021

Rectangle

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



21.8885, 29.1823, 4.4791



14.4298, 29.1823, 18.6385



34.5440, 29.1823, 102.9148



47.4199, 29.1823, 49.9697

Sweetspot

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



21.8892, 29.1836, 4.4797



49.0496, 56.7692, 34.2796



14.1727, 7.7029, 0.7402



10.6029, 12.4082, 6.8798



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.8892, 29.1836, 4.4797



39.0723, 52.1967, 8.0156



13.7781, 25.0022, 4.1001



7.0746, 7.6711, 7.0935



17.8008, 23.7134, 3.6389



0.3419, 0.4362, 0.0662

Inverse Universe

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



6.4401, 2.6171, 32.0658



11.4314, 4.6340, 57.4187



11.2802, 5.1123, 32.2923



6.3707, 6.4796, 8.3216



5.2505, 2.1357, 26.0427



0.1164, 0.0498, 0.4667

Previews

White Background



This preview shows how the XYZ color 21.8885, 29.1823, 4.4791 looks on a white 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

Black Background



This preview shows how the XYZ color 21.8885, 29.1823, 4.4791 looks on a black 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

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

XYZ 21.8885, 29.1823, 4.4791

Background



This preview shows how black text looks on a background with the XYZ color 21.8885, 29.1823, 4.4791.



This preview shows how white text looks on a background with the XYZ color 21.8885, 29.1823,

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

21.8885, 29.1823, 4.4791

Protanopia

26.1596, 28.9744, 4.2139

Deuteranopia

29.4380, 28.8587, 5.0556



Tritanopia

28.2187, 29.1031, 36.0285

Trichromacy



Original Color

21.8885, 29.1823, 4.4791

Protanomaly

24.3930, 29.0032, 4.3125

Deuteranomaly

26.1059, 28.7052, 4.6950

Tritanomaly

24.3619, 28.4836, 16.2705

Monochromacy



Original Color

21.8885, 29.1823, 4.4791

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.7980, 24.6764, 12.0544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8885, 29.1823, 4.4791 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(134, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(134, 157, 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(134, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8885, 29.1823, 4.4791 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(134, 157, 0) }
```


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

```
.border{ border-color:rgb(134, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 157,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8885, 29.1823, 4.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 157, 0) }
```

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

```
.background{ background-color: rgb(134,  
157, 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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