

Converting Colors

XYZ(29.0273, 46.9615, 32.0769)

Have a look what the booklet for
XYZ(29.0273, 46.9615, 32.0769)
contains.

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Color

**XYZ(28.9458, 46.7919,
31.9322)**

Conversions

Conversions Part 1

Format	Color
Hex	45CD8B
RGB	69, 205, 139
RGB Percent	27%, 80%, 55%
CMY	0.7294, 0.1961, 0.4549
CMYK	0.66, 0.00, 0.32, 0.20
HSL	151°, 58%, 54%
HSV	151°, 66%, 80%
XYZ	28.9458, 46.7919, 31.9322
YIQ	156.8120, -59.8700, -49.3580

Conversions

Conversions Part 2

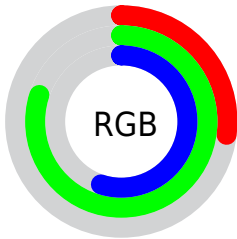
Format	Color
RYB	69, 159, 205
Decimal	4574603
CIELab	74.06, -51.78, 22.39
CIELCh	74, 56.412, 156.613
Yxy	46.7919, 0.2688, 0.4346
Android (android.graphics.Color)	4282764683 (0xFF45CD8B)
YUV	156.8120, -8.7813, -77.0111
Hunter-Lab	68.4046, -44.1748, 20.2058

Details

The XYZ color **28.9458, 46.7919, 31.9322** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.6797, 18.9858, 24.9187**, and the grayscale version is **32.0220, 33.6896, 36.6880**.

A 20% lighter version of the original color is **54.7457, 80.1956, 63.0460**, and **12.7095, 22.5340, 13.1308** is the 20% darker color. If you saturate the color by 10%, you get **27.0409, 45.8914, 28.2201**, and if you desaturate by 10%, it is **31.4215, 47.9815, 36.0185**.

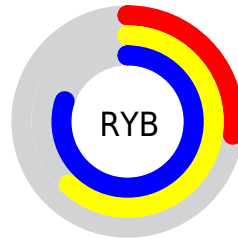
Distribution



Red (27%)

Green (80%)

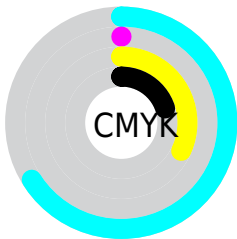
Blue (55%)



Red (27%)

Yellow (62%)

Blue (80%)

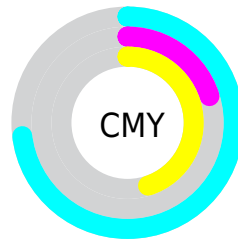


Cyan (66%)

Magenta (0%)

Yellow (32%)

Black (20%)



Cyan (73%)


Magenta (20%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9458, 46.7919, 31.9322 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 28.9458, 46.7919, 31.9322 by changing the saturation by 10% instead.


 28.9458, 46.7919,
31.9322


 28.9458, 46.7919,
31.9322


288.9580,
373.9833, 325.2935


 19.1839, 32.8712,
21.0453


 57.3891, 85.4029,
63.8015


 11.9080, 22.0278,
12.9656


 76.8012, 110.8620,
85.6209


 6.7528, 13.8773,
7.2744


 100.1608,
140.9360, 111.9217

 3.3530, 8.0354,
3.5533

 127.8332,
176.0092, 143.1222

 1.3430, 4.1176,
1.3836

 160.1838,
216.4662, 179.6412

 0.2151, 1.7396,
0.1289

197.5778,

 0.0000, 0.4491,

262.6913, 221.8970

0.0000

240.3808,
315.0688, 270.3082

■ 0.0000, 0.0000,
0.0000

■ 28.9458, 46.7919,
31.9322

■ 28.9458, 46.7919,
31.9322

■ 27.0409, 45.8914,
28.2201

■ 31.4215, 47.9815,
36.0185

■ 25.6472, 45.2456,
24.8671

■ 34.5125, 49.4793,
40.4868

■ 24.6947, 44.8202,
21.8614

■ 38.2630, 51.3091,
45.3487

■ 24.4084, 44.6948,
20.8439

■ 42.7119, 53.4906,
50.6143

■ 47.8950, 56.0423,
56.2931

■ 53.8455, 58.9810,
62.3944

■ 60.5945, 62.3226,
68.9271

■ 68.1714, 66.0822,
75.8999

■ 76.6042, 70.2739,
83.3212

Harmonies

Analogous

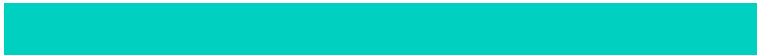
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.8834, 46.7919, 18.1101



28.9458, 46.7919, 31.9322



27.8602, 46.7919, 57.6150

Triad

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



28.9458, 46.7919, 31.9322



46.7449, 46.7919, 128.4121



61.9242, 46.7919, 24.4874

Complementary

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



28.9458, 46.7919, 31.9322



31.6797, 18.9858, 24.9187

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.



66.6493, 46.7919, 44.8170



28.9458, 46.7919, 31.9322



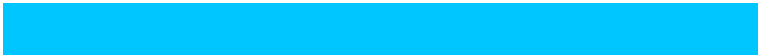
57.0698, 46.7919, 109.7842

Square

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



28.9458, 46.7919, 31.9322



37.2132, 46.7919, 120.8027



64.7505, 46.7919, 76.3222



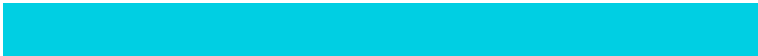
52.6233, 46.7919, 15.0868

Rectangle

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



28.9458, 46.7919, 31.9322



29.2937, 46.7919, 80.0925



64.7505, 46.7919, 76.3222



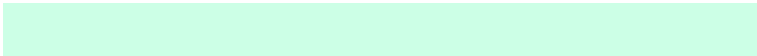
64.1596, 46.7919, 29.9015

Sweetspot

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



28.9470, 46.7938, 31.9333



74.9798, 90.0846, 88.4828



33.2236, 49.4127, 13.4175



15.5342, 19.0285, 18.3737



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.9470, 46.7938, 31.9333



43.1258, 74.6240, 43.5821



35.3065, 49.3376, 65.4220



11.3050, 12.6318, 13.1638



15.2429, 27.8424, 13.2298



0.8246, 1.4517, 0.8840

Inverse Universe

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



31.6797, 18.9858, 24.9187



47.9291, 25.8298, 31.3149



28.3805, 17.6661, 7.5450



11.4354, 11.3029, 12.8272



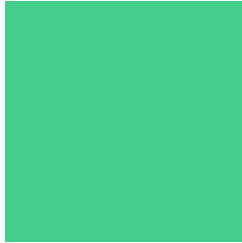
17.1378, 8.6657, 8.4443



0.9224, 0.4624, 0.6373

Previews

White Background



This preview shows how the XYZ color 28.9458, 46.7919, 31.9322 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.9458, 46.7919, 31.9322 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 ✓ Pass

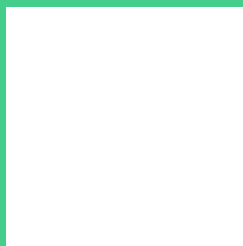
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9458, 46.7919, 31.9322

Background



This preview shows how black text looks on a background with the XYZ color 28.9458, 46.7919, 31.9322.

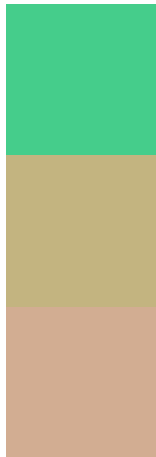


This preview shows how white text looks on a background with the XYZ color 28.9458, 46.7919,

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

28.9458, 46.7919, 31.9322

Protanopia

42.7232, 45.8031, 27.0112

Deuteranopia

46.7102, 45.6641, 33.5463



Tritanopia

36.3429, 46.6662, 69.3794

Trichromacy



Original Color

28.9458, 46.7919, 31.9322



Protanomaly

34.7569, 44.4507, 28.5778



Deuteranomaly

36.6050, 44.0520, 32.5602



Tritanomaly

33.0181, 46.3281, 53.1009

Monochromacy



Original Color

28.9458, 46.7919, 31.9322



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.0985, 36.8341, 34.4302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9458, 46.7919, 31.9322 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(69, 205, 139)` looks like.

```
.text, #text, p{  
    color:rgb(69, 205, 139)  
}
```

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(69, 205, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 205, 139) }
```

Border

The CSS property to change the border of an element to XYZ 28.9458, 46.7919, 31.9322 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(69, 205, 139) }
```


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

```
.border{ border-color:rgb(69, 205, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 205, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 205, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 205, 139);  
box-shadow:4px 4px 4px 4px rgb(69, 205,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9458, 46.7919, 31.9322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 205, 139) }
```

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

```
.background{ background-color: rgb(69, 205,  
139) }
```

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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