

Converting Colors

XYZ(29.5071, 48.4294, 36.4010)

Have a look what the booklet for
XYZ(29.5071, 48.4294, 36.4010)
contains.

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Color

**XYZ(29.4919, 48.4238,
36.2261)**

Conversions

Conversions Part 1

Format	Color
Hex	31D195
RGB	49, 209, 149
RGB Percent	19%, 82%, 58%
CMY	0.8078, 0.1804, 0.4157
CMYK	0.77, 0.00, 0.29, 0.18
HSL	157°, 63%, 51%
HSV	157°, 77%, 82%
XYZ	29.4919, 48.4238, 36.2261
YIQ	154.3200, -76.1000, -52.5800

Conversions

Conversions Part 2

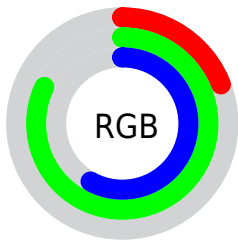
Format	Color
RYB	49, 147, 209
Decimal	3264917
CIELab	75.09, -54.14, 18.47
CIElCh	75, 57.200, 161.163
Yxy	48.4238, 0.2584, 0.4242
Android (android.graphics.Color)	4281454997 (0xFF31D195)
YUV	154.3200, -2.6228, -92.3656
Hunter-Lab	69.5872, -46.1272, 17.8455

Details

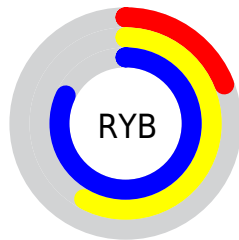
The XYZ color **29.4919, 48.4238, 36.2261** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.1548, 16.8572, 16.1346**, and the grayscale version is **30.8923, 32.5011, 35.3937**.

A 20% lighter version of the original color is **54.1472, 79.7537, 69.0401**, and **13.5958, 23.6643, 15.4064** is the 20% darker color. If you saturate the color by 10%, you get **28.1030, 47.7790, 33.0044**, and if you desaturate by 10%, it is **31.3925, 49.3301, 39.6938**.

Distribution



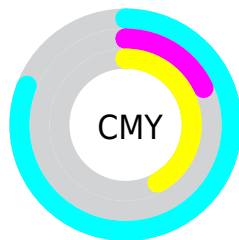
- Red (19%)
- Green (82%)
- Blue (58%)



- Red (19%)
- Yellow (58%)
- Blue (82%)



- Cyan (77%)
- Magenta (0%)
- Yellow (29%)
- Black (18%)





- Cyan (81%)
- Magenta (18%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4919, 48.4238, 36.2261 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 29.4919, 48.4238, 36.2261 by changing the saturation by 10% instead.


 29.4919, 48.4238,
36.2261


 29.4919, 48.4238,
36.2261


291.4814,
380.4695, 345.0150


 19.5994, 34.1626,
24.3178


 58.2499, 87.8351,
70.5539


 12.2107, 23.0186,
15.3552

 77.8461, 113.7539,
93.8104


 6.9606, 14.6072,
8.9196


 101.4075,
144.3275, 121.6868

 3.4836, 8.5442,
4.5927

 129.2996,
179.9402, 154.6015

 1.4143, 4.4451,
1.9558

 161.8877,
220.9763, 192.9732

 0.2664, 1.9255,
0.5279

199.5371,

 0.0000, 0.5637,

267.8203, 237.2203

0.0000

242.6132,
320.8566, 287.7613

■ 0.0000, 0.0000,
0.0000

■ 29.4919, 48.4238,
36.2261

■ 29.4919, 48.4238,
36.2261

■ 28.1030, 47.7790,
33.0044

■ 31.3925, 49.3301,
39.6938

■ 27.1477, 47.3516,
30.0175


■ 33.8589, 50.5218,
43.4109


■ 26.8726, 47.2311,
29.0395


■ 36.9422, 52.0266,
47.3850


■ 40.6866, 53.8670,
51.6222

■ 45.1320, 56.0636,
56.1280

 50.3151, 58.6351,
60.9081

 56.2700, 61.5991,
65.9676

 63.0285, 64.9720,
71.3117

 70.6207, 68.7691,
76.9452

Harmonies

Analogous

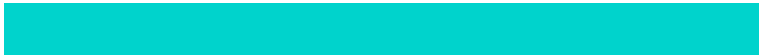
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.0146, 48.4238, 20.1599



29.4919, 48.4238, 36.2261



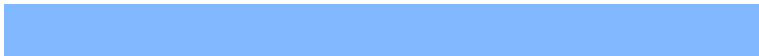
28.9770, 48.4238, 64.6826

Triad

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



29.4919, 48.4238, 36.2261



50.0304, 48.4238, 131.8437



62.8906, 48.4238, 23.1709

Complementary

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



29.4919, 48.4238, 36.2261



30.1548, 16.8572, 16.1346

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.



68.7149, 48.4238, 42.3406



29.4919, 48.4238, 36.2261



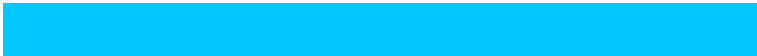
60.5752, 48.4238, 109.0738

Square

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



29.4919, 48.4238, 36.2261



39.8312, 48.4238, 128.2010



67.8086, 48.4238, 73.5992



52.8305, 48.4238, 14.8370

Rectangle

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



29.4919, 48.4238, 36.2261



30.8694, 48.4238, 88.5068



67.8086, 48.4238, 73.5992



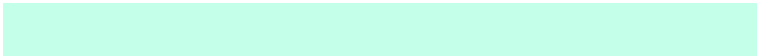
65.4728, 48.4238, 28.1801

Sweetspot

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



29.4932, 48.4257, 36.2272



73.3248, 89.1863, 90.4448



29.8284, 49.1612, 10.8233



15.0914, 18.7907, 18.7846



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.



29.4932, 48.4257, 36.2272



43.0337, 74.4638, 48.6744



31.2625, 42.2298, 66.8273



11.9625, 13.3288, 14.1591



16.6174, 29.1399, 18.1632



0.9669, 1.6444, 1.2146

Inverse Universe

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



30.1548, 16.8572, 16.1346



44.2242, 22.8653, 16.3758



28.8973, 17.8723, 4.8330



11.9895, 11.8805, 13.2204



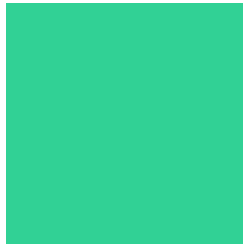
17.1128, 8.7180, 5.5003



0.9949, 0.5027, 0.5078

Previews

White Background



This preview shows how the XYZ color 29.4919, 48.4238, 36.2261 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 29.4919, 48.4238, 36.2261 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

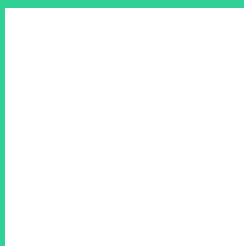
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4919, 48.4238, 36.2261

Background



This preview shows how black text looks on a background with the XYZ color 29.4919, 48.4238, 36.2261.



This preview shows how white text looks on a background with the XYZ color 29.4919, 48.4238,

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

29.4919, 48.4238, 36.2261

Protanopia

44.2138, 47.4089, 30.4874

Deuteranopia

48.3901, 47.2999, 38.0318



Tritanopia

36.7459, 48.1573, 73.0042

Trichromacy



Original Color

29.4919, 48.4238, 36.2261



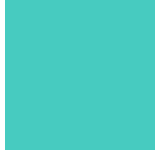
Protanomaly

34.9850, 45.4620, 32.1304



Deuteranomaly

36.6819, 44.9417, 36.8783



Tritanomaly

33.4689, 47.8572, 57.3425

Monochromacy



Original Color

29.4919, 48.4238, 36.2261



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.0060, 36.2521, 35.2270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4919, 48.4238, 36.2261 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(49, 209, 149)` looks like.

```
.text, #text, p{  
    color:rgb(49, 209, 149)  
}
```

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(49, 209, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 209, 149) }
```

Border

The CSS property to change the border of an element to XYZ 29.4919, 48.4238, 36.2261 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(49, 209, 149) }
```


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

```
.border{ border-color:rgb(49, 209, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 209, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 209, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 209, 149);  
box-shadow:4px 4px 4px 4px rgb(49, 209,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4919, 48.4238, 36.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 209, 149) }
```

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

```
.background{ background-color: rgb(49, 209,  
149) }
```

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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