

Converting Colors

XYZ(29.0597, 49.9294, 21.7782)

Have a look what the booklet for
XYZ(29.0597, 49.9294, 21.7782)
contains.

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Color

**XYZ(29.0683, 50.0068,
21.7559)**

Conversions

Conversions Part 1

Format	Color
Hex	48D56A
RGB	72, 213, 106
RGB Percent	28%, 84%, 42%
CMY	0.7176, 0.1647, 0.5843
CMYK	0.66, 0.00, 0.50, 0.16
HSL	134°, 63%, 56%
HSV	134°, 66%, 84%
XYZ	29.0683, 50.0068, 21.7559
YIQ	158.6430, -49.6890, -63.1690

Conversions

Conversions Part 2

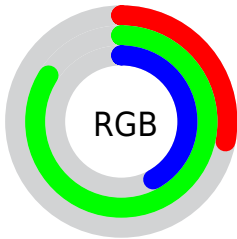
Format	Color
RYB	72, 186, 213
Decimal	4773226
CIELab	76.07, -60.00, 41.82
CIElCh	76, 73.136, 145.120
Yxy	50.0068, 0.2883, 0.4959
Android (android.graphics.Color)	4282963306 (0xFF48D56A)
YUV	158.6430, -25.9530, -75.9859
Hunter-Lab	70.7155, -50.3779, 31.2600

Details

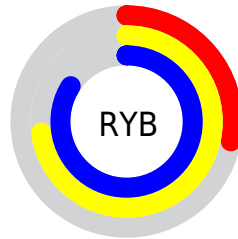
The XYZ color **29.0683, 50.0068, 21.7559** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **37.8962, 22.0366, 44.9057**, and the grayscale version is **32.9237, 34.6383, 37.7211**.

A 20% lighter version of the original color is **52.0097, 79.1741, 45.3418**, and **12.7466, 24.3898, 7.6503** is the 20% darker color. If you saturate the color by 10%, you get **26.9841, 49.0219, 17.6769**, and if you desaturate by 10%, it is **31.8633, 51.3427, 26.6974**.

Distribution



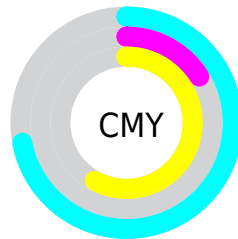
- Red (28%)
- Green (84%)
- Blue (42%)



- Red (28%)
- Yellow (73%)
- Blue (84%)



- Cyan (66%)
- Magenta (0%)
- Yellow (50%)
- Black (16%)



- Cyan (72%)
- Magenta (16%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0683, 50.0068, 21.7559 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 29.0683, 50.0068, 21.7559 by changing the saturation by 10% instead.

■ 29.0683, 50.0068,
21.7559

■ 29.0683, 50.0068,
21.7559

289.5255,
386.6925, 274.1807

■ 19.2770, 35.4188,
13.4810

■ 57.5824, 90.1850,
47.2392

■ 11.9758, 23.9857,
7.6260

■ 77.0359, 116.5439,
65.2848

■ 6.7993, 15.3230,
3.7723

■ 100.4409,
147.5953, 87.4243

■ 3.3821, 9.0464,
1.5013

■ 128.1628,
183.7235, 114.0764

■ 1.3589, 4.7714,
0.2189

160.5668,
225.3129, 145.6595

■ 0.2267, 2.1138,
0.0000

198.0183,

■ 0.0000, 0.6724,

272.7480, 182.5922

0.0000

240.8828,
326.4131, 225.2931

■ 0.0000, 0.0000,
0.0000

■ 29.0683, 50.0068,
21.7559

■ 29.0683, 50.0068,
21.7559

■ 26.9841, 49.0219,
17.6769

■ 31.8633, 51.3427,
26.6974

■ 25.5384, 48.3475,
14.4073

■ 35.4248, 53.0530,
32.5438

■ 24.6479, 47.9432,
11.8929

■ 39.8070, 55.1662,
39.3386

■ 24.4008, 47.8326,
11.1206

■ 45.0579, 57.7063,
47.1217

■ 51.2220, 60.6954,
55.9304

■ 58.3405, 64.1541,
65.8002

■ 66.4522, 68.1015,
76.7650

■ 75.5936, 72.5559,
88.8571

■ 82.5235, 75.8457,
101.9541

Harmonies

Analogous

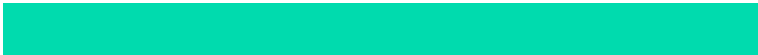
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2250, 50.0068, 10.7819



29.0683, 50.0068, 21.7559



25.8614, 50.0068, 48.2945

Triad

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



29.0683, 50.0068, 21.7559



45.3294, 50.0068, 169.1173



75.5121, 50.0068, 28.3428

Complementary

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



29.0683, 50.0068, 21.7559



37.8962, 22.0366, 44.9057

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.



78.8131, 50.0068, 61.1051



29.0683, 50.0068, 21.7559



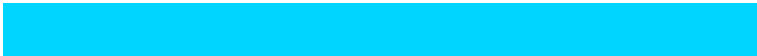
59.5803, 50.0068, 154.9609

Square

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



29.0683, 50.0068, 21.7559



34.0312, 50.0068, 142.4562



72.5092, 50.0068, 109.8182



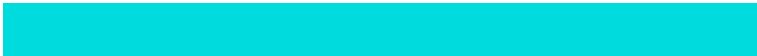
64.1959, 50.0068, 13.1064

Rectangle

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



29.0683, 50.0068, 21.7559



26.4080, 50.0068, 76.5318



72.5092, 50.0068, 109.8182



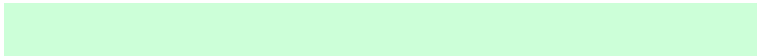
77.6777, 50.0068, 37.0838

Sweetspot

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



29.0695, 50.0089, 21.7570



73.0951, 89.3307, 78.5579



43.8115, 57.7740, 14.9737



15.0861, 18.8493, 16.0142



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.



29.0695, 50.0089, 21.7570



39.6618, 73.2537, 24.6524



34.2454, 52.0792, 49.0129



12.3840, 13.9446, 13.8364



14.9383, 29.2307, 6.9707



0.9339, 1.7762, 0.5939

Inverse Universe

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



37.8962, 22.0366, 44.9057



53.7304, 28.3335, 61.2994



32.5521, 19.8989, 16.7639



12.8190, 12.5791, 14.9873



20.7679, 10.2435, 21.8794



1.2841, 0.6304, 1.4853

Previews

White Background



This preview shows how the XYZ color 29.0683, 50.0068, 21.7559 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 29.0683, 50.0068, 21.7559 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 29.0683, 50.0068, 21.7559

Background



This preview shows how black text looks on a background with the XYZ color 29.0683, 50.0068, 21.7559.

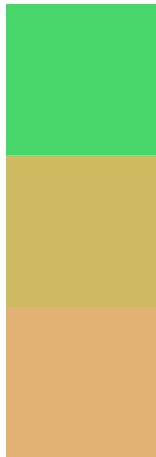


This preview shows how white text looks on a background with the XYZ color 29.0683, 50.0068,

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

29.0683, 50.0068, 21.7559

Protanopia

44.8934, 48.9600, 18.3934

Deuteranopia

50.0662, 49.0861, 23.0555



Tritanopia

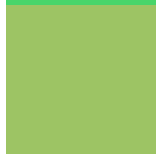
39.3549, 49.8472, 73.1929

Trichromacy



Original Color

29.0683, 50.0068, 21.7559



Protanomaly

35.9448, 47.5681, 19.3437



Deuteranomaly

37.9176, 46.8665, 22.3769



Tritanomaly

34.3832, 49.2167, 49.2826

Monochromacy



Original Color

29.0683, 50.0068, 21.7559



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.6061, 38.6457, 30.7099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0683, 50.0068, 21.7559 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(72, 213, 106)` looks like.

```
.text, #text, p{  
    color:rgb(72, 213, 106)  
}
```

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(72, 213, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 213, 106) }
```

Border

The CSS property to change the border of an element to XYZ 29.0683, 50.0068, 21.7559 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(72, 213, 106) }
```


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

```
.border{ border-color:rgb(72, 213, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 213, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 213, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 213, 106);  
box-shadow:4px 4px 4px 4px rgb(72, 213,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0683, 50.0068, 21.7559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 213, 106) }
```

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

```
.background{ background-color: rgb(72, 213,  
106) }
```

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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