

Converting Colors

XYZ(34.6199, 49.0083, 27.8851)

Have a look what the booklet for
XYZ(34.6199, 49.0083, 27.8851)
contains.

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Color

**XYZ(34.7679, 49.1759,
28.0815)**

Conversions

Conversions Part 1

Format	Color
Hex	84CB80
RGB	132, 203, 128
RGB Percent	52%, 80%, 50%
CMY	0.4824, 0.2039, 0.4980
CMYK	0.35, 0.00, 0.37, 0.20
HSL	117°, 42%, 65%
HSV	117°, 37%, 80%
XYZ	34.7679, 49.1759, 28.0815
YIQ	173.2210, -18.2410, -38.3770

Conversions

Conversions Part 2

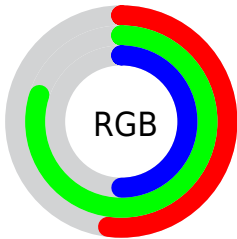
Format	Color
RYB	128, 203, 199
Decimal	8702848
CIELab	75.56, -37.07, 30.56
CIELCh	76, 48.040, 140.501
Yxy	49.1759, 0.3104, 0.4390
Android (android.graphics.Color)	4286892928 (0xFF84CB80)
YUV	173.2210, -22.2940, -36.1508
Hunter-Lab	70.1255, -34.2202, 25.3454

Details

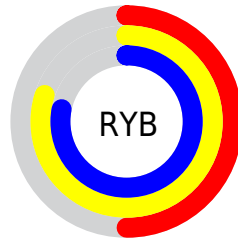
The XYZ color **34.7679, 49.1759, 28.0815** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.0541, 31.8938, 60.4421**, and the grayscale version is **39.9512, 42.0318, 45.7726**.

A 20% lighter version of the original color is **64.5940, 85.4210, 56.7995**, and **15.1895, 23.3921, 10.9223** is the 20% darker color. If you saturate the color by 10%, you get **30.8299, 47.2865, 21.6066**, and if you desaturate by 10%, it is **39.5293, 51.4618, 35.9924**.

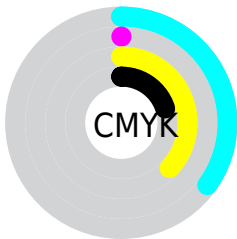
Distribution



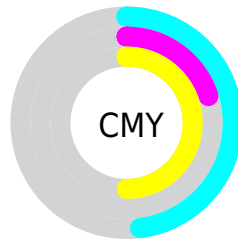
- Red (52%)
- Green (80%)
- Blue (50%)



- Red (50%)
- Yellow (80%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)



- Cyan (48%)
- Magenta (20%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7679, 49.1759, 28.0815 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 34.7679, 49.1759, 28.0815 by changing the saturation by 10% instead.

■ 34.7679, 49.1759,
28.0815

■ 34.7679, 49.1759,
28.0815

315.0687,
383.4344, 306.7803

■ 23.6498, 34.7590,
18.1475

■ 66.4624, 88.9526,
57.6392

■ 15.1974, 23.4773,
10.8854

■ 87.7696, 115.0813,
78.1000

■ 9.0452, 14.9464,
5.8766

■ 113.2039,
145.8827, 102.9068

■ 4.8281, 8.7817,
2.7026

143.1305,
181.7412, 132.4782

■ 2.1804, 4.5991,
0.9448

177.9150,
223.0413, 167.2328

■ 0.7324, 2.0140,
0.0000

217.9226,

■ 0.0000, 0.6156,

270.1672, 207.5889

0.0000

263.5187,
323.5034, 253.9653

■ 0.0000, 0.0000,
0.0000

■ 34.7679, 49.1759,
28.0815

■ 34.7679, 49.1759,
28.0815

■ 30.8299, 47.2865,
21.6066

■ 39.5293, 51.4618,
35.9924

■ 27.6652, 45.7652,
16.4785

■ 45.1533, 54.1583,
45.4148

■ 25.2238, 44.5899,
12.6034

■ 51.6809, 57.2865,
56.4227

■ 23.4486, 43.7333,
9.8738

■ 59.1495, 60.8642,
69.0844

■ 22.2734, 43.1641,
8.1644

■ 67.5942, 64.9081,
83.4643

■ 21.6166, 42.8438,
7.3084

■ 77.0487, 69.4342,
99.6232

■ 21.4926, 42.7838,
7.1253

■ 80.6469, 71.1938,
104.0990

Harmonies

Analogous

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



41.0137, 49.1759, 19.5683



34.7679, 49.1759, 28.0815



31.8459, 49.1759, 45.8753

Triad

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



34.7679, 49.1759, 28.0815



43.9796, 49.1759, 117.6755



64.6199, 49.1759, 38.1841

Complementary

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



34.7679, 49.1759, 28.0815



42.0541, 31.8938, 60.4421

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.



65.6767, 49.1759, 62.0234



34.7679, 49.1759, 28.0815



52.9765, 49.1759, 113.6227

Square

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



34.7679, 49.1759, 28.0815



36.7024, 49.1759, 100.8148



61.1867, 49.1759, 91.0439



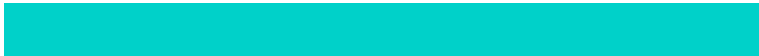
58.4592, 49.1759, 23.9884

Rectangle

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



34.7679, 49.1759, 28.0815



31.8861, 49.1759, 62.9564



61.1867, 49.1759, 91.0439



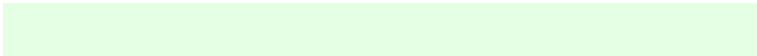
65.6117, 49.1759, 45.1202

Sweetspot

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



34.7692, 49.1780, 28.0826



81.7546, 93.6302, 86.4004



48.7212, 54.6457, 28.4026



17.1770, 19.8865, 17.9504



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.



34.7692, 49.1780, 28.0826



53.0574, 79.8661, 38.5265



36.6486, 49.8589, 41.1810



11.1225, 12.5650, 11.9185



13.7014, 27.2386, 4.5354



0.7267, 1.4154, 0.2349

Inverse Universe

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



42.0541, 31.8938, 60.4421



66.9160, 46.9481, 100.1428



39.6526, 31.0574, 42.1851



11.6262, 11.3721, 14.1526



20.7478, 9.9034, 36.7743



1.0888, 0.5204, 1.8980

Previews

White Background



This preview shows how the XYZ color 34.7679, 49.1759, 28.0815 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 34.7679, 49.1759, 28.0815 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 34.7679, 49.1759, 28.0815

Background



This preview shows how black text looks on a background with the XYZ color 34.7679, 49.1759, 28.0815.

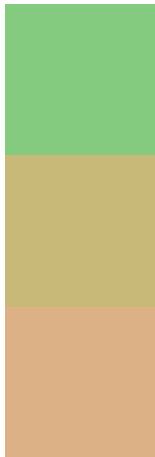


This preview shows how white text looks on a background with the XYZ color 34.7679, 49.1759,

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

34.7679, 49.1759, 28.0815

Protanopia

44.8875, 48.4959, 25.0840

Deuteranopia

49.5404, 48.3812, 29.2817



Tritanopia

42.6112, 48.9464, 67.5234

Trichromacy



Original Color

34.7679, 49.1759, 28.0815



Protanomaly

40.3922, 48.3846, 26.2791



Deuteranomaly

42.4628, 47.4751, 28.7554



Tritanomaly

39.3598, 48.9786, 50.5593

Monochromacy



Original Color

34.7679, 49.1759, 28.0815



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.3268, 43.9844, 38.4208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7679, 49.1759, 28.0815 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(132, 203, 128)` looks like.

```
.text, #text, p{  
    color:rgb(132, 203, 128)  
}
```

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(132, 203, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 203, 128) }
```

Border

The CSS property to change the border of an element to XYZ 34.7679, 49.1759, 28.0815 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(132, 203, 128) }
```


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

```
.border{ border-color:rgb(132, 203, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 203, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 203, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 203, 128);  
box-shadow:4px 4px 4px 4px rgb(132, 203,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7679, 49.1759, 28.0815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 203, 128) }
```

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

```
.background{ background-color: rgb(132,  
203, 128) }
```

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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