

Converting Colors

XYZ(34.2849, 49.2837, 27.9580)

Have a look what the booklet for
XYZ(34.2849, 49.2837, 27.9580)
contains.

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Color

**XYZ(34.3912, 49.3334,
28.1318)**

Conversions

Conversions Part 1

Format	Color
Hex	80CC80
RGB	128, 204, 128
RGB Percent	50%, 80%, 50%
CMY	0.4980, 0.2000, 0.4980
CMYK	0.37, 0.00, 0.37, 0.20
HSL	120°, 43%, 65%
HSV	120°, 37%, 80%
XYZ	34.3912, 49.3334, 28.1318
YIQ	172.6120, -20.9000, -39.7480

Conversions

Conversions Part 2

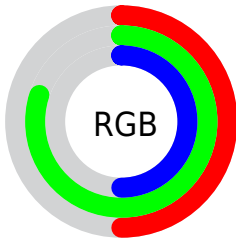
Format	Color
RYB	128, 204, 204
Decimal	8440960
CIELab	75.66, -38.79, 30.65
CIELCh	76, 49.435, 141.684
Yxy	49.3334, 0.3075, 0.4410
Android (android.graphics.Color)	4286631040 (0xFF80CC80)
YUV	172.6120, -21.9937, -39.1247
Hunter-Lab	70.2377, -35.5153, 25.4194

Details

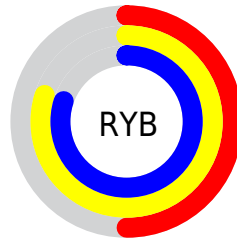
The XYZ color **34.3912, 49.3334, 28.1318** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.5216, 32.6362, 61.1339**, and the grayscale version is **39.6399, 41.7043, 45.4160**.

A 20% lighter version of the original color is **63.6289, 84.9235, 56.7543**, and **14.9466, 23.5008, 10.9561** is the 20% darker color. If you saturate the color by 10%, you get **30.4153, 47.4251, 21.6275**, and if you desaturate by 10%, it is **39.2565, 51.6719, 36.0889**.

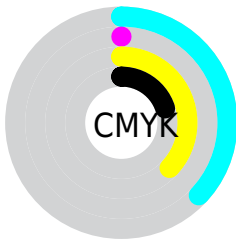
Distribution



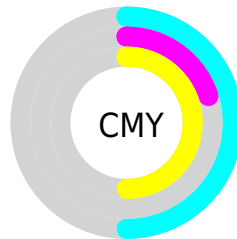
- Red (50%)
- Green (80%)
- Blue (50%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3912, 49.3334, 28.1318 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 34.3912, 49.3334, 28.1318 by changing the saturation by 10% instead.

■ 34.3912, 49.3334,
28.1318

■ 34.3912, 49.3334,
28.1318

313.4282,
384.0534, 307.0279

■ 23.3586, 34.8840,
18.1851

■ 65.8818, 89.1864,
57.7204

■ 14.9807, 23.5736,
10.9122

■ 87.0705, 115.3589,
78.1995

■ 8.8920, 15.0176,
5.8944

■ 112.3754,
146.2078, 103.0264

■ 4.7274, 8.8317,
2.7132

142.1616,
182.1176, 132.6197

■ 2.1213, 4.6316,
0.9501

176.7947,
223.4726, 167.3980

■ 0.7008, 2.0328,
0.0000

216.6399,

■ 0.0000, 0.6264,

270.6574, 207.7797

0.0000

262.0626,
324.0561, 254.1835

■ 0.0000, 0.0000,
0.0000

■ 34.3912, 49.3334,
28.1318

■ 34.3912, 49.3334,
28.1318

■ 30.4153, 47.4251,
21.6275

■ 39.2565, 51.6719,
36.0889

■ 27.2716, 45.9150,
16.4853

■ 45.0563, 54.4579,
45.5756

■ 24.9020, 44.7768,
12.6095


■ 51.8375, 57.7152,
56.6673


■ 23.2397, 43.9783,
9.8903


■ 59.6424, 61.4643,
69.4336


■ 22.2063, 43.4818,
8.1999

■ 68.5111, 65.7244,
83.9397

 21.6946, 43.2361,
7.3629

 78.4813, 70.5136,
100.2475

 21.5939, 43.1877,
7.1981

 80.8838, 71.6677,
104.1779

Harmonies

Analogous

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



40.6824, 49.3334, 19.1704



34.3912, 49.3334, 28.1318



31.5409, 49.3334, 46.7499

Triad

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



34.3912, 49.3334, 28.1318



44.3900, 49.3334, 120.6265



65.2212, 49.3334, 37.1599

Complementary

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



34.3912, 49.3334, 28.1318



43.5216, 32.6362, 61.1339

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.



66.5516, 49.3334, 61.3412



34.3912, 49.3334, 28.1318



53.6988, 49.3334, 115.4927

Square

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



34.3912, 49.3334, 28.1318



36.8018, 49.3334, 103.7684



62.1002, 49.3334, 91.4224



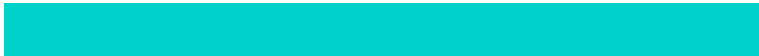
58.6712, 49.3334, 23.0776

Rectangle

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



34.3912, 49.3334, 28.1318



31.6790, 49.3334, 64.5848



62.1002, 49.3334, 91.4224



66.3249, 49.3334, 44.1401

Sweetspot

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



34.3925, 49.3355, 28.1329



81.2811, 93.3861, 86.3786



50.3931, 57.5841, 28.8812



17.0654, 19.8289, 17.9453



0.0000, 0.0000, 0.0000



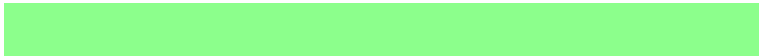
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3925, 49.3355, 28.1329



51.3697, 79.0181, 37.4532



37.3792, 50.5302, 43.8607



11.0681, 12.5370, 11.9160



13.5908, 27.1816, 4.5304



0.7011, 1.4023, 0.2337

Inverse Universe

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



43.5216, 32.6362, 61.1339



68.7043, 47.3092, 100.1162



39.5054, 31.0297, 39.9847



11.6876, 11.4038, 14.1555



22.5332, 10.8239, 36.8562



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 34.3912, 49.3334, 28.1318 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 34.3912, 49.3334, 28.1318 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 34.3912, 49.3334, 28.1318

Background



This preview shows how black text looks on a background with the XYZ color 34.3912, 49.3334, 28.1318.

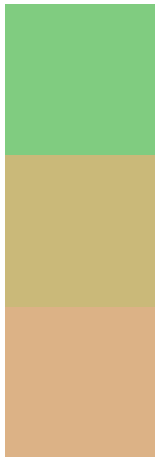


This preview shows how white text looks on a background with the XYZ color 34.3912, 49.3334,

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

34.3912, 49.3334, 28.1318

Protanopia

45.1573, 48.6350, 25.0966

Deuteranopia

49.7387, 48.7777, 29.3478



Tritanopia

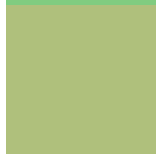
42.4262, 49.1660, 68.2267

Trichromacy



Original Color

34.3912, 49.3334, 28.1318



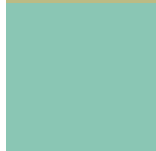
Protanomaly

40.1669, 48.2685, 26.2685



Deuteranomaly

42.4287, 47.7714, 28.8144



Tritanomaly

38.9135, 49.0867, 50.6037

Monochromacy



Original Color

34.3912, 49.3334, 28.1318



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.1309, 43.8834, 38.4116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3912, 49.3334, 28.1318 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(128, 204, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 204, 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(128, 204, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 128) }
```

Border

The CSS property to change the border of an element to XYZ 34.3912, 49.3334, 28.1318 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(128, 204, 128) }
```


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

```
.border{ border-color:rgb(128, 204, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 204, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3912, 49.3334, 28.1318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 204, 128) }
```

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

```
.background{ background-color: rgb(128,  
204, 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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