

Converting Colors

XYZ(33.4052, 49.1883, 28.3473)

Have a look what the booklet for
XYZ(33.4052, 49.1883, 28.3473)
contains.

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Color

**XYZ(33.4015, 49.1696,
28.4991)**

Conversions

Conversions Part 1

Format	Color
Hex	77CD81
RGB	119, 205, 129
RGB Percent	47%, 80%, 51%
CMY	0.5333, 0.1961, 0.4941
CMYK	0.42, 0.00, 0.37, 0.20
HSL	127°, 46%, 64%
HSV	127°, 42%, 80%
XYZ	33.4015, 49.1696, 28.4991
YIQ	170.6220, -26.8600, -41.8680

Conversions

Conversions Part 2

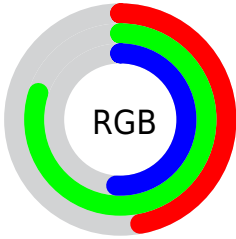
Format	Color
RYB	119, 196, 205
Decimal	7851393
CIELab	75.56, -41.80, 29.92
CIElCh	76, 51.406, 144.403
Yxy	49.1696, 0.3007, 0.4427
Android (android.graphics.Color)	4286041473 (0xFF77CD81)
YUV	170.6220, -20.5196, -45.2725
Hunter-Lab	70.1210, -37.6850, 24.9877

Details

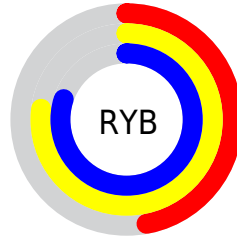
The XYZ color **33.4015, 49.1696, 28.4991** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.6255, 30.1138, 55.2500**, and the grayscale version is **38.6294, 40.6411, 44.2581**.

A 20% lighter version of the original color is **61.9864, 84.0529, 57.7565**, and **14.4320, 23.4672, 11.1661** is the 20% darker color. If you saturate the color by 10%, you get **29.7864, 47.4344, 22.5918**, and if you desaturate by 10%, it is **37.8394, 51.3071, 35.5615**.

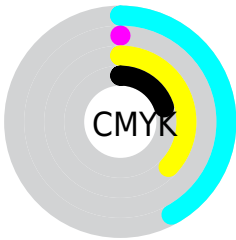
Distribution



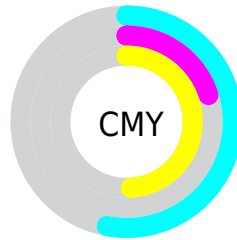
- Red (47%)
- Green (80%)
- Blue (51%)



- Red (47%)
- Yellow (77%)
- Blue (80%)



- Cyan (42%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)



- Cyan (53%)
- Magenta (20%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4015, 49.1696, 28.4991 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 33.4015, 49.1696, 28.4991 by changing the saturation by 10% instead.

■ 33.4015, 49.1696,
28.4991

■ 33.4015, 49.1696,
28.4991

309.0881,
383.4096, 308.8308

■ 22.5949, 34.7540,
18.4599

■ 64.3524, 88.9433,
58.3130

■ 14.4137, 23.4735,
11.1078

■ 85.2273, 115.0702,
78.9247

■ 8.4926, 14.9435,
6.0243

■ 110.1891,
145.8697, 103.8977

■ 4.4662, 8.7797,
2.7909

139.6031,
181.7262, 133.6506

■ 1.9691, 4.5978,
0.9889

173.8347,
223.0240, 168.6018

■ 0.6165, 2.0133,
0.0000

213.2491,

■ 0.0000, 0.6152,

270.1476, 209.1698

0.0000

258.2118,
323.4813, 255.7733

■ 0.0000, 0.0000,
0.0000

■ 33.4015, 49.1696,
28.4991

■ 33.4015, 49.1696,
28.4991

■ 29.7864, 47.4344,
22.5918

■ 37.8394, 51.3071,
35.5615

■ 26.9398, 46.0706,
17.7751

■ 43.1428, 53.8636,
43.8324

■ 24.8064, 45.0525,
13.9831


■ 49.3557, 56.8618,
53.3658


■ 23.3222, 44.3487,
11.1415


■ 56.5181, 60.3216,
64.2117

■ 22.4113, 43.9219,
9.1660

■ 64.6677, 64.2611,
76.4170

 21.9955, 43.7299,
8.1369

 73.8400, 68.6979,
90.0267

 81.1223, 72.1446,
104.2574

Harmonies

Analogous

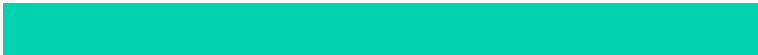
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.5876, 49.1696, 18.6357



33.4015, 49.1696, 28.4991



30.8130, 49.1696, 48.5968

Triad

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



33.4015, 49.1696, 28.4991



44.9757, 49.1696, 124.2843



65.4162, 49.1696, 34.7049

Complementary

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



33.4015, 49.1696, 28.4991



41.6255, 30.1138, 55.2500

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.



67.3681, 49.1696, 58.8019



33.4015, 49.1696, 28.4991



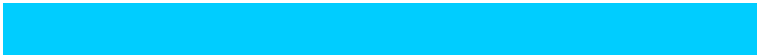
54.6930, 49.1696, 116.6892

Square

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



33.4015, 49.1696, 28.4991



36.8895, 49.1696, 108.3226



63.2128, 49.1696, 90.1172



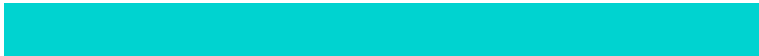
58.1909, 49.1696, 21.2754

Rectangle

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



33.4015, 49.1696, 28.4991



31.1833, 49.1696, 67.6299



63.2128, 49.1696, 90.1172



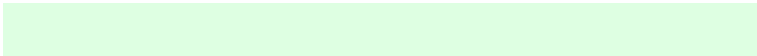
66.7486, 49.1696, 41.5525

Sweetspot

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



33.4028, 49.1717, 28.5002



79.5253, 92.5007, 85.4025



48.0323, 56.7865, 25.8823



16.5154, 19.5546, 17.5056



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.



33.4028, 49.1717, 28.5002



49.4941, 78.0333, 38.1735



36.7530, 50.5118, 46.1425



11.1202, 12.5578, 12.1905



13.7107, 27.2296, 5.1617



0.7255, 1.4120, 0.3620

Inverse Universe

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



41.6255, 30.1138, 55.2500



64.6480, 42.8698, 87.4402



37.5579, 28.4868, 33.8304



11.6292, 11.3804, 13.8479



20.8988, 10.1701, 28.2497



1.0945, 0.5312, 1.5433

Previews

White Background



This preview shows how the XYZ color 33.4015, 49.1696, 28.4991 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 33.4015, 49.1696, 28.4991 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 33.4015, 49.1696, 28.4991

Background



This preview shows how black text looks on a background with the XYZ color 33.4015, 49.1696, 28.4991.



This preview shows how white text looks on a background with the XYZ color 33.4015, 49.1696,

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

33.4015, 49.1696, 28.4991

Protanopia

44.8875, 48.4959, 25.0840

Deuteranopia

49.3087, 48.2536, 29.6367



Tritanopia

41.4263, 48.9676, 68.8963

Trichromacy



Original Color

33.4015, 49.1696, 28.4991



Protanomaly

39.2823, 47.8124, 26.2271



Deuteranomaly

41.5324, 47.3014, 29.1314



Tritanomaly

37.9698, 48.9289, 51.1591

Monochromacy



Original Color

33.4015, 49.1696, 28.4991



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.8831, 42.9427, 37.8500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4015, 49.1696, 28.4991 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(119, 205, 129)` looks like.

```
.text, #text, p{  
    color:rgb(119, 205, 129)  
}
```

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(119, 205, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 205, 129) }
```

Border

The CSS property to change the border of an element to XYZ 33.4015, 49.1696, 28.4991 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(119, 205, 129) }
```


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

```
.border{ border-color:rgb(119, 205, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 205, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 205, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 205, 129); box-shadow:4px 4px 4px 4px rgb(119, 205, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4015, 49.1696, 28.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 205, 129) }
```

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

```
.background{ background-color: rgb(119,  
205, 129) }
```

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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