

Converting Colors

XYZ(30.8066, 49.2196, 32.6106)

Have a look what the booklet for
XYZ(30.8066, 49.2196, 32.6106)
contains.

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Color

**XYZ(30.7585, 49.1566,
32.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	4FD18C
RGB	79, 209, 140
RGB Percent	31%, 82%, 55%
CMY	0.6902, 0.1804, 0.4510
CMYK	0.62, 0.00, 0.33, 0.18
HSL	148°, 59%, 56%
HSV	148°, 62%, 82%
XYZ	30.7585, 49.1566, 32.6780
YIQ	162.2640, -55.3310, -49.0190

Conversions

Conversions Part 2

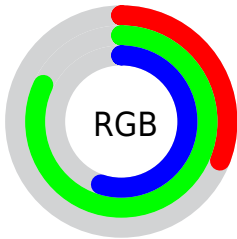
Format	Color
RYB	79, 167, 209
Decimal	5230988
CIELab	75.55, -51.33, 23.94
CIELCh	76, 56.636, 154.997
Yxy	49.1566, 0.2732, 0.4366
Android (android.graphics.Color)	4283421068 (0xFF4FD18C)
YUV	162.2640, -10.9762, -73.0225
Hunter-Lab	70.1118, -44.3865, 21.4441

Details

The XYZ color **30.7585, 49.1566, 32.6780** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **34.4373, 21.2864, 30.3122**, and the grayscale version is **34.5359, 36.3345, 39.5683**.

A 20% lighter version of the original color is **56.3128, 80.9905, 63.7037**, and **13.1944, 23.5037, 13.2925** is the 20% darker color. If you saturate the color by 10%, you get **28.5086, 48.0879, 28.5164**, and if you desaturate by 10%, it is **33.6398, 50.5440, 37.3018**.

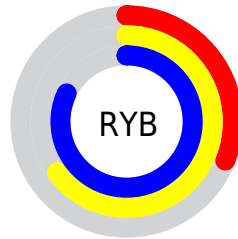
Distribution



Red (31%)

Green (82%)

Blue (55%)



Red (31%)

Yellow (65%)

Blue (82%)

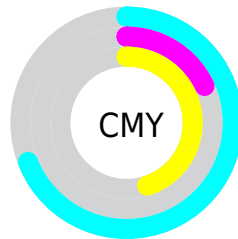


Cyan (62%)

Magenta (0%)

Yellow (33%)

Black (18%)



Cyan (69%)


Magenta (18%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7585, 49.1566, 32.6780 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 30.7585, 49.1566, 32.6780 by changing the saturation by 10% instead.


 30.7585, 49.1566,
32.6780


 30.7585, 49.1566,
32.6780


297.2710,
383.3585, 328.7837


 20.5659, 34.7437,
21.6108

 60.2381, 88.9240,
64.9827


 12.9177, 23.4655,
13.3756


 80.2558, 115.0473,
87.0572

 7.4485, 14.9376,
7.5539


 104.2793,
145.8429, 113.6380

 3.7930, 8.7756,
3.7272

 132.6740,
181.6951, 145.1435

 1.5857, 4.5951,
1.4769

165.8051,
222.9884, 181.9923

 0.3831, 2.0117,
0.2007

204.0381,

 0.0000, 0.6143,

270.1071, 224.6029

0.0000

247.7383,
323.4357, 273.3938

■ 0.0000, 0.0000,
0.0000

■ 30.7585, 49.1566,
32.6780

■ 30.7585, 49.1566,
32.6780

■ 28.5086, 48.0879,
28.5164

■ 33.6398, 50.5440,
37.3018

■ 26.8306, 47.3034,
24.7984

■ 37.1973, 52.2688,
42.3989

■ 25.6595, 46.7712,
21.5087

■ 41.4760, 54.3554,
47.9842

■ 25.0093, 46.4859,
19.2271

■ 46.5158, 56.8240,
54.0707

■ 52.3534, 59.6933,
60.6710

■ 59.0233, 62.9809,
67.7971

■ 66.5577, 66.7033,
75.4609

■ 74.9873, 70.8758,
83.6735

■ 79.7462, 73.1446,
92.2309

Harmonies

Analogous

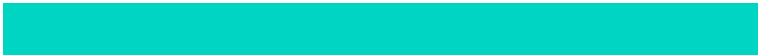
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1076, 49.1566, 18.8399



30.7585, 49.1566, 32.6780



29.4099, 49.1566, 58.7003

Triad

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



30.7585, 49.1566, 32.6780



48.4962, 49.1566, 133.8794



65.2151, 49.1566, 26.8129

Complementary

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



30.7585, 49.1566, 32.6780



34.4373, 21.2864, 30.3122

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.



69.7648, 49.1566, 48.6598



30.7585, 49.1566, 32.6780



59.2357, 49.1566, 115.9519

Square

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



30.7585, 49.1566, 32.6780



38.7244, 49.1566, 124.5589



67.4283, 49.1566, 81.7546



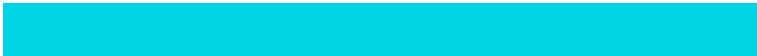
55.7510, 49.1566, 16.4471

Rectangle

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



30.7585, 49.1566, 32.6780



30.7579, 49.1566, 81.7477



67.4283, 49.1566, 81.7546



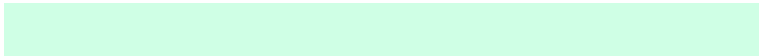
67.4294, 49.1566, 32.6817

Sweetspot

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



30.7598, 49.1586, 32.6791



75.5491, 90.3937, 87.8026



36.4864, 52.4946, 15.6070



15.6310, 19.0830, 18.1698



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.



30.7598, 49.1586, 32.6791



43.6484, 74.9177, 42.5093



37.0057, 51.6569, 65.5695



11.8839, 13.2973, 13.7449



15.4683, 28.6803, 12.1121



0.9048, 1.6196, 0.8875

Inverse Universe

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



34.4373, 21.2864, 30.3122



49.8746, 27.6248, 38.4253



30.6660, 19.7779, 10.4530



12.0672, 11.9116, 13.6297



18.0294, 9.0846, 10.3271



1.0480, 0.5239, 0.7876

Previews

White Background



This preview shows how the XYZ color 30.7585, 49.1566, 32.6780 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 30.7585, 49.1566, 32.6780 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 30.7585, 49.1566, 32.6780

Background



This preview shows how black text looks on a background with the XYZ color 30.7585, 49.1566, 32.6780.



This preview shows how white text looks on a background with the XYZ color 30.7585, 49.1566,

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

30.7585, 49.1566, 32.6780

Protanopia

44.8646, 48.4250, 27.7512

Deuteranopia

49.0129, 47.9979, 34.2850



Tritanopia

38.7579, 49.2095, 72.4214

Trichromacy



Original Color

30.7585, 49.1566, 32.6780



Protanomaly

37.0430, 47.2456, 29.3572



Deuteranomaly

38.9575, 46.5158, 33.3107



Tritanomaly

35.1524, 48.7756, 55.1389

Monochromacy



Original Color

30.7585, 49.1566, 32.6780



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.4686, 39.4788, 36.5335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7585, 49.1566, 32.6780 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(79, 209, 140)` looks like.

```
.text, #text, p{  
    color:rgb(79, 209, 140)  
}
```

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(79, 209, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 209, 140) }
```

Border

The CSS property to change the border of an element to XYZ 30.7585, 49.1566, 32.6780 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(79, 209, 140) }
```


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

```
.border{ border-color:rgb(79, 209, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 209, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 209, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 209, 140);  
box-shadow:4px 4px 4px 4px rgb(79, 209,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7585, 49.1566, 32.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 209, 140) }
```

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

```
.background{ background-color: rgb(79, 209,  
140) }
```

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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