

Converting Colors

XYZ(30.0405, 49.8892, 31.1183)

Have a look what the booklet for
XYZ(30.0405, 49.8892, 31.1183)
contains.

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Color

**XYZ(30.0310, 49.9262,
30.9756)**

Conversions

Conversions Part 1

Format	Color
Hex	40D487
RGB	64, 212, 135
RGB Percent	25%, 83%, 53%
CMY	0.7490, 0.1686, 0.4706
CMYK	0.70, 0.00, 0.36, 0.17
HSL	149°, 63%, 54%
HSV	149°, 70%, 83%
XYZ	30.0310, 49.9262, 30.9756
YIQ	158.9700, -63.4910, -55.3230

Conversions

Conversions Part 2

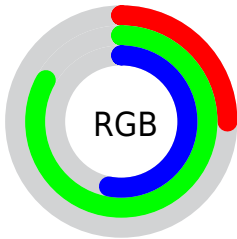
Format	Color
RYB	64, 164, 212
Decimal	4248711
CIELab	76.02, -56.11, 27.12
CIELCh	76, 62.318, 154.198
Yxy	49.9262, 0.2707, 0.4501
Android (android.graphics.Color)	4282438791 (0xFF40D487)
YUV	158.9700, -11.8172, -83.2887
Hunter-Lab	70.6585, -47.7869, 23.4691

Details

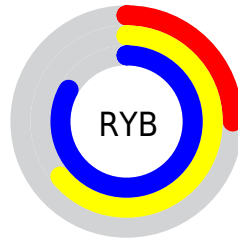
The XYZ color **30.0310, 49.9262, 30.9756** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **33.7941, 19.5880, 27.2008**, and the grayscale version is **33.0152, 34.7346, 37.8260**.

A 20% lighter version of the original color is **53.9986, 79.8613, 60.7129**, and **13.4887, 24.4170, 12.3895** is the 20% darker color. If you saturate the color by 10%, you get **28.1687, 49.0527, 27.0430**, and if you desaturate by 10%, it is **32.5000, 51.1060, 35.3588**.

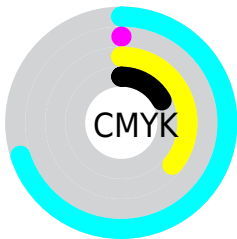
Distribution



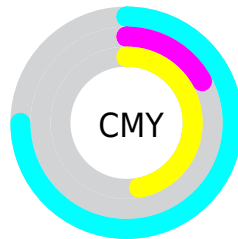
- Red (25%)
- Green (83%)
- Blue (53%)



- Red (25%)
- Yellow (64%)
- Blue (83%)



- Cyan (70%)
- Magenta (0%)
- Yellow (36%)
- Black (17%)





- Cyan (75%)
- Magenta (17%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0310, 49.9262, 30.9756 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 30.0310, 49.9262, 30.9756 by changing the saturation by 10% instead.


 30.0310, 49.9262,
30.9756


 30.0310, 49.9262,
30.9756


293.9562,
386.3773, 320.7736


 20.0103, 35.3548,
20.3220


 59.0975, 90.0655,
62.2808


 12.5108, 23.9363,
12.4429


 78.8740, 116.4022,
83.7694


 7.1673, 15.2864,
6.9199


 102.6332,
147.4294, 109.7068

 3.6142, 9.0206,
3.3344

 130.7403,
183.5315, 140.5114

 1.4863, 4.7546,
1.2678

 163.5609,
225.0930, 176.6019

 0.3165, 2.1040,
0.0352

201.4601,

 0.0000, 0.6669,

272.4982, 218.3967

0.0000

244.8034,
326.1315, 266.3144

■ 0.0000, 0.0000,
0.0000

■ 30.0310, 49.9262,
30.9756

■ 30.0310, 49.9262,
30.9756

■ 28.1687, 49.0527,
27.0430

■ 32.5000, 51.1060,
35.3588

■ 26.8439, 48.4458,
23.5418

■ 35.6275, 52.6142,
40.2040


■ 25.9433, 48.0489,
20.4545


■ 39.4636, 54.4780,
45.5263


■ 25.9279, 48.0422,
20.3997


■ 44.0523, 56.7196,
51.3391

■ 49.4340, 59.3598,
57.6549

 55.6461, 62.4175,
64.4861

 62.7235, 65.9104,
71.8444

 70.6990, 69.8555,
79.7411

 79.6038, 74.2683,
88.1874

Harmonies

Analogous

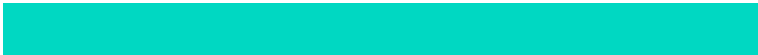
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.9597, 49.9262, 16.7290



30.0310, 49.9262, 30.9756



28.4599, 49.9262, 59.1866

Triad

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



30.0310, 49.9262, 30.9756



49.1096, 49.9262, 146.5353



68.4602, 49.9262, 25.7218

Complementary

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



30.0310, 49.9262, 30.9756



33.7941, 19.5880, 27.2008

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.



73.4370, 49.9262, 49.8053



30.0310, 49.9262, 30.9756



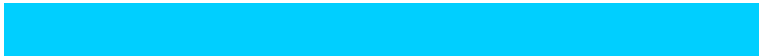
61.1671, 49.9262, 126.4152

Square

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



30.0310, 49.9262, 30.9756



38.3689, 49.9262, 134.8261



70.5721, 49.9262, 87.2793



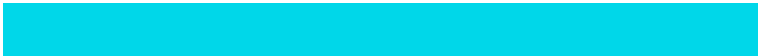
57.8692, 49.9262, 14.6812

Rectangle

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



30.0310, 49.9262, 30.9756



29.8364, 49.9262, 85.0708



70.5721, 49.9262, 87.2793



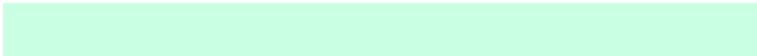
70.9173, 49.9262, 32.1056

Sweetspot

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



30.0323, 49.9282, 30.9767



73.8529, 89.5537, 86.1669



35.7867, 53.2930, 13.2514



15.3032, 18.9206, 17.8602



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.



30.0323, 49.9282, 30.9767



41.6667, 73.9874, 38.2931



36.9300, 52.6873, 67.2998



12.5081, 13.9942, 14.4899



16.0561, 29.6778, 12.8569



1.0101, 1.8067, 0.9951

Inverse Universe

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



33.7941, 19.5880, 27.2008



47.7135, 25.1071, 32.1419



30.0582, 18.0936, 7.5281



12.6904, 12.5276, 14.3098



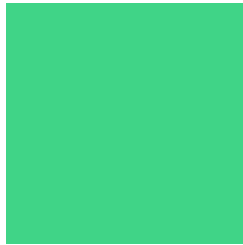
18.5605, 9.3605, 10.2554



1.1612, 0.5813, 0.8384

Previews

White Background



This preview shows how the XYZ color 30.0310, 49.9262, 30.9756 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 30.0310, 49.9262, 30.9756 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

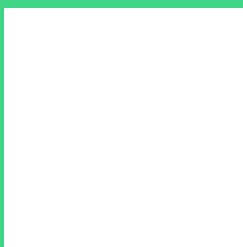
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0310, 49.9262, 30.9756

Background



This preview shows how black text looks on a background with the XYZ color 30.0310, 49.9262, 30.9756.



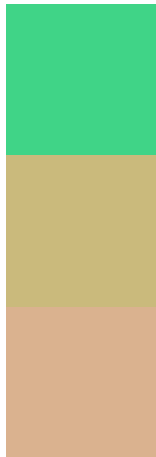
This preview shows how white text looks on a background with the XYZ color 30.0310, 49.9262,

30.9756.

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

30.0310, 49.9262, 30.9756

Protanopia

45.5541, 49.1296, 26.1508

Deuteranopia

49.7918, 48.7294, 32.7680



Tritanopia

38.5993, 49.7898, 73.9057

Trichromacy



Original Color

30.0310, 49.9262, 30.9756



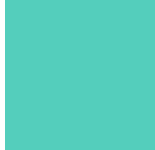
Protanomaly

36.3603, 47.2641, 27.6286



Deuteranomaly

38.0474, 46.4017, 31.7621



Tritanomaly

34.8046, 49.6583, 55.3276

Monochromacy



Original Color

30.0310, 49.9262, 30.9756



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.7376, 38.3279, 34.6848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0310, 49.9262, 30.9756 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(64, 212, 135)` looks like.

```
.text, #text, p{  
    color:rgb(64, 212, 135)  
}
```

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(64, 212, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 212, 135) }
```

Border

The CSS property to change the border of an element to XYZ 30.0310, 49.9262, 30.9756 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(64, 212, 135) }
```


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

```
.border{ border-color:rgb(64, 212, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 212, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 212, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 212, 135);  
box-shadow:4px 4px 4px 4px rgb(64, 212,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0310, 49.9262, 30.9756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 212, 135) }
```

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

```
.background{ background-color: rgb(64, 212,  
135) }
```

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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