

Converting Colors

XYZ(28.4891, 49.4878, 16.3178)

Have a look what the booklet for
XYZ(28.4891, 49.4878, 16.3178)
contains.

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Color

**XYZ(28.4131, 49.4170,
16.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	50D453
RGB	80, 212, 83
RGB Percent	31%, 83%, 33%
CMY	0.6863, 0.1686, 0.6745
CMYK	0.62, 0.00, 0.61, 0.17
HSL	121°, 61%, 57%
HSV	121°, 62%, 83%
XYZ	28.4131, 49.4170, 16.2245
YIQ	157.8260, -37.2630, -68.1030

Conversions

Conversions Part 2

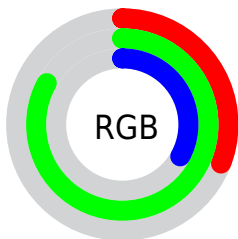
Format	Color
RYB	80, 209, 212
Decimal	5297235
CIELab	75.71, -60.98, 52.09
CIELCh	76, 80.200, 139.496
Yxy	49.4170, 0.3021, 0.5254
Android (android.graphics.Color)	4283487315 (0xFF50D453)
YUV	157.8260, -36.8892, -68.2534
Hunter-Lab	70.2972, -50.8731, 35.5240

Details

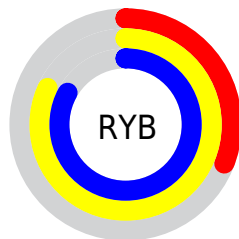
The XYZ color **28.4131, 49.4170, 16.2245** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **41.5300, 24.3386, 62.8312**, and the grayscale version is **32.5956, 34.2931, 37.3452**.

A 20% lighter version of the original color is **51.4307, 79.0769, 36.2196**, and **12.0863, 23.8561, 5.0046** is the 20% darker color. If you saturate the color by 10%, you get **26.2137, 48.3636, 12.5521**, and if you desaturate by 10%, it is **31.4184, 50.8611, 21.1840**.

Distribution



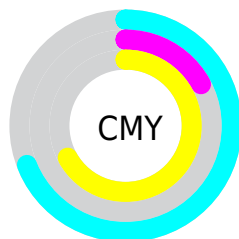
- Red (31%)
- Green (83%)
- Blue (33%)



- Red (31%)
- Yellow (82%)
- Blue (83%)



- Cyan (62%)
- Magenta (0%)
- Yellow (61%)
- Black (17%)



- Cyan (69%)
- Magenta (17%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4131, 49.4170, 16.2245 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 28.4131, 49.4170, 16.2245 by changing the saturation by 10% instead.

■ 28.4131, 49.4170,
16.2245

■ 28.4131, 49.4170,
16.2245

286.4800,
384.3817, 242.5536

■ 18.7793, 34.9504,
9.5271

■ 56.5473, 89.3105,
37.7597

■ 11.6140, 23.6247,
4.9851

■ 75.7785, 115.5061,
53.4346

■ 6.5517, 15.0554,
2.1799

■ 98.9396, 146.3802,
72.9390

■ 3.2272, 8.8583,
0.6627

■ 126.3958,
182.3172, 96.6916

■ 1.2750, 4.6489,
0.0000

■ 158.5127,
223.7015, 125.1108

■ 0.1644, 2.0428,
0.0000

195.6554,

■ 0.0000, 0.6321,

270.9173, 158.6151

0.0000

238.1894,
324.3493, 197.6232

■ 0.0000, 0.0000,
0.0000

■ 28.4131, 49.4170,
16.2245

■ 28.4131, 49.4170,
16.2245

■ 26.2137, 48.3636,
12.5521

■ 31.4184, 50.8611,
21.1840

■ 24.7394, 47.6576,
10.0451

■ 35.2935, 52.7223,
27.5312

■ 23.8990, 47.2563,
8.5639

■ 40.0997, 55.0317,
35.3607

■ 23.5709, 47.0995,
7.9873

■ 45.8920, 57.8158,
44.7577

■ 52.7211, 61.0989,
55.8009

■ 60.6341, 64.9039,
68.5639

■ 69.6754, 69.2522,
83.1157

■ 79.8867, 74.1637,
99.5217

■ 82.8345, 75.5690,
104.8282

Harmonies

Analogous

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



38.0598, 49.4170, 7.6478



28.4131, 49.4170, 16.2245



24.0950, 49.4170, 40.2188

Triad

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



28.4131, 49.4170, 16.2245



41.9482, 49.4170, 181.1283



79.4005, 49.4170, 30.8464

Complementary

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



28.4131, 49.4170, 16.2245



41.5300, 24.3386, 62.8312

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.



81.0581, 49.4170, 70.1547



28.4131, 49.4170, 16.2245



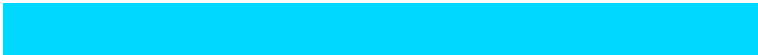
57.1710, 49.4170, 173.7678

Square

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



28.4131, 49.4170, 16.2245



30.7409, 49.4170, 143.1553



72.2322, 49.4170, 126.4246



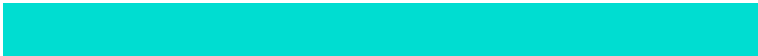
68.0912, 49.4170, 12.4756

Rectangle

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



28.4131, 49.4170, 16.2245



24.0391, 49.4170, 68.4763



72.2322, 49.4170, 126.4246



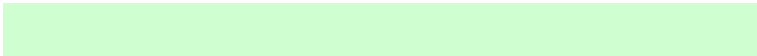
81.1838, 49.4170, 41.3978

Sweetspot

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



28.4143, 49.4191, 16.2256



72.7090, 89.2576, 72.8467



51.5150, 61.3410, 16.7144



14.9546, 18.8125, 14.6078



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.



28.4143, 49.4191, 16.2256



38.9046, 73.0202, 17.5288



32.2142, 50.9390, 36.2354



12.2738, 13.9005, 13.2561



14.5559, 29.0777, 4.9570



0.8821, 1.7555, 0.3207

Inverse Universe

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



41.5300, 24.3386, 62.8312



60.4167, 31.8416, 93.9389



35.0402, 21.7427, 28.6563



12.9403, 12.6276, 15.6257



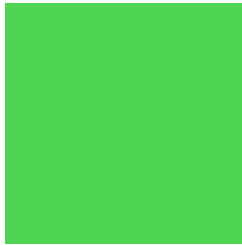
23.7336, 11.4298, 37.4967



1.4355, 0.6910, 2.2825

Previews

White Background



This preview shows how the XYZ color 28.4131, 49.4170, 16.2245 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 28.4131, 49.4170, 16.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

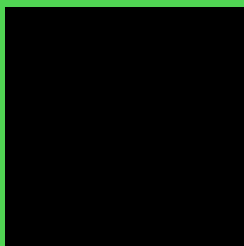
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

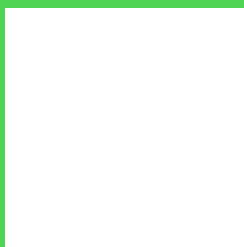
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4131, 49.4170, 16.2245

Background



This preview shows how black text looks on a background with the XYZ color 28.4131, 49.4170, 16.2245.

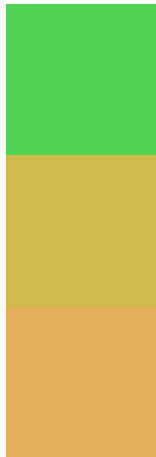


This preview shows how white text looks on a background with the XYZ color 28.4131, 49.4170,

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

28.4131, 49.4170, 16.2245

Protanopia

44.0726, 48.3277, 13.6619

Deuteranopia

49.4960, 48.3350, 17.0768



Tritanopia

39.4992, 49.2639, 71.7170

Trichromacy



Original Color

28.4131, 49.4170, 16.2245



Protanomaly

35.3875, 47.0539, 14.4249



Deuteranomaly

37.4563, 46.1151, 16.3781



Tritanomaly

33.9347, 48.7425, 44.1789

Monochromacy



Original Color

28.4131, 49.4170, 16.2245



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.2230, 38.2253, 27.3107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4131, 49.4170, 16.2245 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(80, 212, 83)` looks like.

```
.text, #text, p{  
    color:rgb(80, 212, 83)  
}
```

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(80, 212, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 212, 83) }
```

Border

The CSS property to change the border of an element to XYZ 28.4131, 49.4170, 16.2245 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(80, 212, 83) }
```


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

```
.border{ border-color:rgb(80, 212, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 212, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 212, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 212, 83);  
box-shadow:4px 4px 4px 4px rgb(80, 212,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4131, 49.4170, 16.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 212, 83) }
```

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

```
.background{ background-color: rgb(80, 212,  
83) }
```

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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