

Converting Colors

XYZ(28.1415, 48.8800, 28.2959)

Have a look what the booklet for
XYZ(28.1415, 48.8800, 28.2959)
contains.

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Color

**XYZ(28.2391, 49.0575,
28.4028)**

Conversions

Conversions Part 1

Format	Color
Hex	26D480
RGB	38, 212, 128
RGB Percent	15%, 83%, 50%
CMY	0.8510, 0.1686, 0.4980
CMYK	0.82, 0.00, 0.40, 0.17
HSL	151°, 70%, 49%
HSV	151°, 82%, 83%
XYZ	28.2391, 49.0575, 28.4028
YIQ	150.3980, -76.7400, -63.0120

Conversions

Conversions Part 2

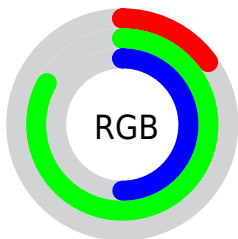
Format	Color
RYB	38, 153, 212
Decimal	2544768
CIELab	75.49, -60.70, 29.95
CIELCh	75, 67.689, 153.742
Yxy	49.0575, 0.2672, 0.4641
Android (android.graphics.Color)	4280734848 (0xFF26D480)
YUV	150.3980, -11.0422, -98.5730
Hunter-Lab	70.0411, -50.6044, 24.9857

Details

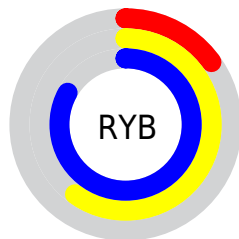
The XYZ color **28.2391, 49.0575, 28.4028** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **31.3590, 16.7895, 20.0026**, and the grayscale version is **29.2289, 30.7511, 33.4880**.

A 20% lighter version of the original color is **51.1429, 78.4748, 56.7076**, and **13.2636, 24.3270, 11.2042** is the 20% darker color. If you saturate the color by 10%, you get **27.0283, 48.5086, 25.0058**, and if you desaturate by 10%, it is **29.9649, 49.8667, 32.1809**.

Distribution



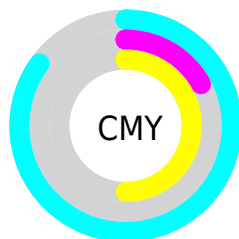
- Red (15%)
- Green (83%)
- Blue (50%)



- Red (15%)
- Yellow (60%)
- Blue (83%)



- Cyan (82%)
- Magenta (0%)
- Yellow (40%)
- Black (17%)





- Cyan (85%)
- Magenta (17%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2391, 49.0575, 28.4028 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 28.2391, 49.0575, 28.4028 by changing the saturation by 10% instead.


 28.2391, 49.0575,
28.4028


 28.2391, 49.0575,
28.4028


285.6671,
382.9686, 308.3589


 18.6473, 34.6651,
18.3878


 56.2719, 88.7768,
58.1577


 11.5182, 23.4050,
11.0565


 75.4437, 114.8726,
78.7347

 6.4864, 14.8928,
5.9902


 98.5396, 145.6382,
103.6695

 3.1865, 8.7442,
2.7704

 125.9248,
181.4581, 133.3806

 1.2531, 4.5747,
0.9786

 157.9648,
222.7167, 168.2866

 0.1477, 2.0000,
0.0000

195.0250,

 0.0000, 0.6075,

269.7984, 208.8059

0.0000

237.4706,
323.0876, 255.3572

■ 0.0000, 0.0000,
0.0000

■ 28.2391, 49.0575,
28.4028

■ 28.2391, 49.0575,
28.4028

■ 27.0283, 48.5086,
25.0058

■ 29.9649, 49.8667,
32.1809


■ 26.3400, 48.2070,
22.5699


■ 32.2699, 50.9651,
36.3498


■ 35.2121, 52.3836,
40.9231


■ 38.8413, 54.1479,
45.9121

■ 43.2020, 56.2806,
51.3281

 48.3349, 58.8025,
57.1815

 54.2776, 61.7327,
63.4824

 61.0652, 65.0893,
70.2407

 68.7304, 68.8889,
77.4658

Harmonies

Analogous

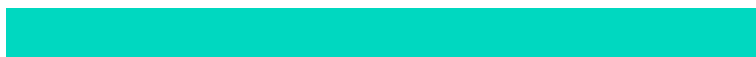
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5219, 49.0575, 14.2111



28.2391, 49.0575, 28.4028



26.5376, 49.0575, 58.0301

Triad

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



28.2391, 49.0575, 28.4028



48.2124, 49.0575, 155.6115



69.5794, 49.0575, 23.6002

Complementary

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



28.2391, 49.0575, 28.4028



31.3590, 16.7895, 20.0026

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.



74.9256, 49.0575, 49.0518



28.2391, 49.0575, 28.4028



61.2767, 49.0575, 133.4286

Square

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



28.2391, 49.0575, 28.4028



36.7912, 49.0575, 141.8627



71.6458, 49.0575, 89.9793



58.0775, 49.0575, 12.4343

Rectangle

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



28.2391, 49.0575, 28.4028



27.9214, 49.0575, 86.1606



71.6458, 49.0575, 89.9793



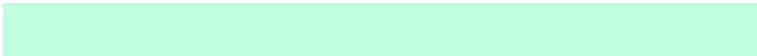
72.2407, 49.0575, 30.2369

Sweetspot

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



28.2404, 49.0595, 28.4039



70.7936, 88.0227, 83.9387



31.9352, 51.3739, 10.0673



14.5601, 18.5493, 17.2906



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.



28.2404, 49.0595, 28.4039



40.1517, 73.2841, 34.7134



35.5095, 50.8176, 70.2269



12.5279, 14.0022, 14.5944



16.3113, 29.7799, 14.2011



1.0256, 1.8129, 1.0764

Inverse Universe

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



31.3590, 16.7895, 20.0026



45.0448, 22.8705, 21.6928



28.2920, 15.7169, 3.3768



12.6705, 12.5197, 14.2051



18.3033, 9.2576, 8.9013



1.1457, 0.5751, 0.7566

Previews

White Background



This preview shows how the XYZ color 28.2391, 49.0575, 28.4028 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 28.2391, 49.0575, 28.4028 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 28.2391, 49.0575, 28.4028

Background



This preview shows how black text looks on a background with the XYZ color 28.2391, 49.0575, 28.4028.



This preview shows how white text looks on a background with the XYZ color 28.2391, 49.0575,

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

28.2391, 49.0575, 28.4028

Protanopia

44.4388, 47.9828, 23.7491

Deuteranopia

49.0795, 48.1273, 29.9953



Tritanopia

37.1977, 48.7201, 73.7731

Trichromacy



Original Color

28.2391, 49.0575, 28.4028



Protanomaly

33.8983, 45.7148, 25.1264



Deuteranomaly

35.7840, 45.2927, 29.0466



Tritanomaly

32.9030, 48.3587, 53.4989

Monochromacy



Original Color

28.2391, 49.0575, 28.4028



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.1327, 35.0913, 30.9872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2391, 49.0575, 28.4028 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(38, 212, 128)` looks like.

```
.text, #text, p{  
    color:rgb(38, 212, 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(38, 212, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 212, 128) }
```

Border

The CSS property to change the border of an element to XYZ 28.2391, 49.0575, 28.4028 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(38, 212, 128) }
```


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

```
.border{ border-color:rgb(38, 212, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 212, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 212, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 212, 128);  
box-shadow:4px 4px 4px 4px rgb(38, 212,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2391, 49.0575, 28.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 212, 128) }
```

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

```
.background{ background-color: rgb(38, 212,  
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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