

Converting Colors

XYZ(28.6611, 49.2776, 25.0886)

Have a look what the booklet for
XYZ(28.6611, 49.2776, 25.0886)
contains.

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Color

**XYZ(28.7380, 49.3871,
25.1576)**

Conversions

Conversions Part 1

Format	Color
Hex	3DD476
RGB	61, 212, 118
RGB Percent	24%, 83%, 46%
CMY	0.7608, 0.1686, 0.5372
CMYK	0.71, 0.00, 0.44, 0.17
HSL	143°, 64%, 54%
HSV	143°, 71%, 83%
XYZ	28.7380, 49.3871, 25.1576
YIQ	156.1350, -59.8220, -61.2460

Conversions

Conversions Part 2

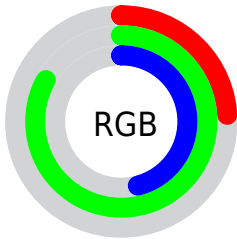
Format	Color
RYB	61, 171, 212
Decimal	4052086
CIELab	75.69, -59.63, 35.36
CIELCh	76, 69.329, 149.331
Yxy	49.3871, 0.2782, 0.4782
Android (android.graphics.Color)	4282242166 (0xFF3DD476)
YUV	156.1350, -18.8006, -83.4334
Hunter-Lab	70.2760, -49.9888, 27.9684

Details

The XYZ color **28.7380, 49.3871, 25.1576** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **34.7381, 19.7021, 32.9840**, and the grayscale version is **31.7618, 33.4159, 36.3899**.

A 20% lighter version of the original color is **51.8631, 78.9723, 51.0378**, and **12.9319, 24.1943, 9.4572** is the 20% darker color. If you saturate the color by 10%, you get **26.9516, 48.5519, 21.2631**, and if you desaturate by 10%, it is **31.1521, 50.5359, 29.6565**.

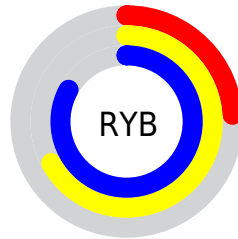
Distribution



Red (24%)

Green (83%)

Blue (46%)



Red (24%)

Yellow (67%)

Blue (83%)

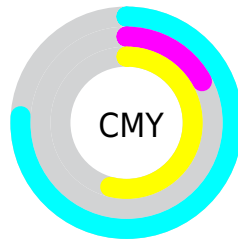


Cyan (71%)

Magenta (0%)

Yellow (44%)

Black (17%)



Cyan (76%)


Magenta (17%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7380, 49.3871, 25.1576 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 28.7380, 49.3871, 25.1576 by changing the saturation by 10% instead.


 28.7380, 49.3871,
25.1576


 28.7380, 49.3871,
25.1576


287.9933,
384.2643, 292.0947


 19.0260, 34.9267,
15.9744


 57.0610, 89.2661,
52.8801


 11.7932, 23.6064,
9.3519


 76.4027, 115.4535,
72.2564


 6.6742, 15.0419,
4.8715


 99.6850, 146.3186,
95.8676

 3.3037, 8.8488,
2.1146

 127.2733,
182.2458, 124.1322

 1.3163, 4.6427,
0.6245

 159.5330,
223.6196, 157.4686

 0.1954, 2.0392,
0.0000

196.8293,

 0.0000, 0.6301,

270.8244, 196.2955

0.0000

239.5276,
324.2445, 241.0313

■ 0.0000, 0.0000,
0.0000

■ 28.7380, 49.3871,
25.1576

■ 28.7380, 49.3871,
25.1576

■ 26.9516, 48.5519,
21.2631

■ 31.1521, 50.5359,
29.6565

■ 25.7199, 47.9892,
17.9427


■ 34.2489, 52.0222,
34.7815


■ 24.9934, 47.6684,
15.4783


■ 38.0810, 53.8738,
40.5572


■ 42.6947, 56.1143,
47.0058

■ 48.1326, 58.7652,
54.1484

 54.4337, 61.8462,
62.0053

 61.6349, 65.3758,
70.5957

 69.7705, 69.3715,
79.9383

 78.8733, 73.8498,
90.0509

Harmonies

Analogous

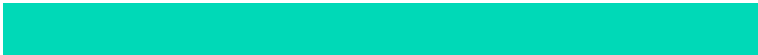
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.8503, 49.3871, 12.6720



28.7380, 49.3871, 25.1576



26.3191, 49.3871, 52.9517

Triad

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



28.7380, 49.3871, 25.1576



46.6529, 49.3871, 160.0730



71.9387, 49.3871, 26.0304

Complementary

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



28.7380, 49.3871, 25.1576



34.7381, 19.7021, 32.9840

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.



76.2283, 49.3871, 54.6051



28.7380, 49.3871, 25.1576



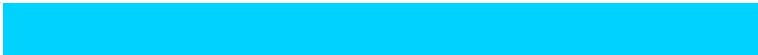
60.1112, 49.3871, 142.0389

Square

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



28.7380, 49.3871, 25.1576



35.4342, 49.3871, 140.4652



71.5557, 49.3871, 98.5358



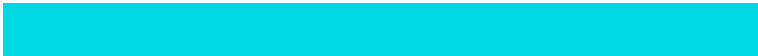
60.7027, 49.3871, 12.9900

Rectangle

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



28.7380, 49.3871, 25.1576



27.2763, 49.3871, 80.7568



71.5557, 49.3871, 98.5358



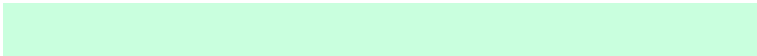
74.3227, 49.3871, 33.5907

Sweetspot

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



28.7392, 49.3891, 25.1587



73.1084, 89.2559, 82.2463



38.2207, 54.5574, 12.9315



15.1272, 18.8501, 16.9330



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.



28.7392, 49.3891, 25.1587



39.9629, 73.2946, 29.8322



34.9691, 51.8811, 57.9648



12.4544, 13.9728, 14.2073



15.4741, 29.4450, 9.7922



0.9729, 1.7918, 0.7992

Inverse Universe

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



34.7381, 19.7021, 32.9840



49.5015, 25.6864, 41.9761



30.3117, 17.9315, 9.6749



12.7450, 12.5495, 14.5976



19.3821, 9.6892, 14.5820



1.2087, 0.6003, 1.0882

Previews

White Background



This preview shows how the XYZ color 28.7380, 49.3871, 25.1576 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 28.7380, 49.3871, 25.1576 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 28.7380, 49.3871, 25.1576

Background



This preview shows how black text looks on a background with the XYZ color 28.7380, 49.3871, 25.1576.

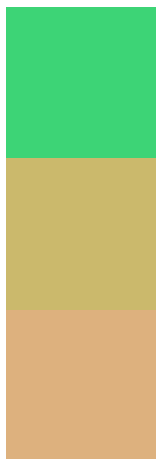


This preview shows how white text looks on a background with the XYZ color 28.7380, 49.3871,

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

28.7380, 49.3871, 25.1576

Protanopia

44.6843, 48.4771, 21.1893

Deuteranopia

49.3068, 48.3228, 26.4671



Tritanopia

38.3408, 49.3244, 73.1454

Trichromacy



Original Color

28.7380, 49.3871, 25.1576



Protanomaly

35.2022, 46.7794, 22.5032



Deuteranomaly

37.0929, 46.0435, 25.6712



Tritanomaly

33.8280, 48.8837, 51.3686

Monochromacy



Original Color

28.7380, 49.3871, 25.1576



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.2930, 37.0686, 31.2549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7380, 49.3871, 25.1576 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(61, 212, 118)` looks like.

```
.text, #text, p{  
    color:rgb(61, 212, 118)  
}
```

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(61, 212, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 212, 118) }
```

Border

The CSS property to change the border of an element to XYZ 28.7380, 49.3871, 25.1576 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(61, 212, 118) }
```


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

```
.border{ border-color:rgb(61, 212, 118) }
```

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

Here you see how a box with a 4 pixel rgb(61, 212, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 212, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 212, 118);  
box-shadow:4px 4px 4px 4px rgb(61, 212,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7380, 49.3871, 25.1576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 212, 118) }
```

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

```
.background{ background-color: rgb(61, 212,  
118) }
```

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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