

Converting Colors

XYZ(28.4207, 43.8268, 24.3695)

Have a look what the booklet for
XYZ(28.4207, 43.8268, 24.3695)
contains.

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Color

**XYZ(28.4416, 43.9171,
24.4306)**

Conversions

Conversions Part 1

Format	Color
Hex	63C577
RGB	99, 197, 119
RGB Percent	39%, 77%, 47%
CMY	0.6118, 0.2274, 0.5333
CMYK	0.50, 0.00, 0.40, 0.23
HSL	132°, 46%, 58%
HSV	132°, 50%, 77%
XYZ	28.4416, 43.9171, 24.4306
YIQ	158.8060, -33.3700, -45.0340

Conversions

Conversions Part 2

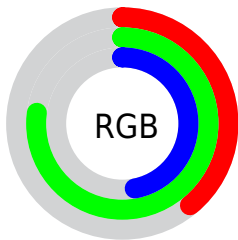
Format	Color
RYB	99, 180, 197
Decimal	6538615
CIELab	72.17, -45.62, 30.49
CIELCh	72, 54.875, 146.244
Yxy	43.9171, 0.2939, 0.4537
Android (android.graphics.Color)	4284728695 (0xFF63C577)
YUV	158.8060, -19.6244, -52.4499
Hunter-Lab	66.2700, -39.3642, 24.5316

Details

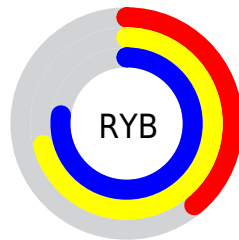
The XYZ color **28.4416, 43.9171, 24.4306** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **35.4249, 23.9691, 44.3556**, and the grayscale version is **32.9646, 34.6814, 37.7680**.

A 20% lighter version of the original color is **56.4058, 80.8307, 51.6587**, and **11.5839, 20.2070, 8.9200** is the 20% darker color. If you saturate the color by 10%, you get **25.6810, 42.5952, 19.7852**, and if you desaturate by 10%, it is **31.8847, 45.5754, 29.9209**.

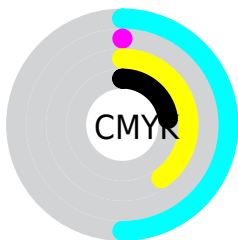
Distribution



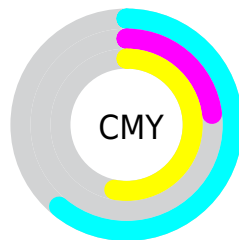
- Red (39%)
- Green (77%)
- Blue (47%)



- Red (39%)
- Yellow (71%)
- Blue (77%)



- Cyan (50%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)





- Cyan (61%)
- Magenta (23%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4416, 43.9171, 24.4306 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 28.4416, 43.9171, 24.4306 by changing the saturation by 10% instead.


 28.4416, 43.9171,
24.4306


 28.4416, 43.9171,
24.4306


286.6130,
362.3699, 288.3466


 18.8010, 30.6053,
15.4382


 56.5924, 81.0930,
51.6846


 11.6297, 20.2985,
8.9775


 75.8333, 105.7259,
70.7832

 6.5625, 12.6122,
4.6299


 99.0051, 134.9013,
94.0877

 3.2339, 7.1621,
1.9769

 126.4729,
169.0037, 122.0166

 1.2786, 3.5637,
0.5410

158.6023,
208.4173, 154.9884

 0.1671, 1.4326,
0.0000

195.7585,

 0.0000, 0.2406,

253.5266, 193.4216

0.0000

238.3070,
304.7160, 237.7349

■ 0.0000, 0.0000,
0.0000

■ 28.4416, 43.9171,
24.4306

■ 28.4416, 43.9171,
24.4306

■ 25.6810, 42.5952,
19.7852

■ 31.8847, 45.5754,
29.9209

■ 23.5532, 41.5812,
15.9397

■ 36.0491, 47.5855,
36.2920

■ 22.0068, 40.8508,
12.8497


■ 40.9745, 49.9684,
43.5816


■ 20.9805, 40.3734,
10.4649

■ 46.6966, 52.7418,
51.8240


■ 20.3667, 40.0948,
8.7274


■ 53.2490, 55.9222,
61.0520

 20.3537, 40.0889,
8.6911

 60.6633, 59.5253,
71.2967

 68.9694, 63.5659,
82.5878

 77.6032, 67.7527,
94.9262

 79.2571, 68.4143,
103.6357

Harmonies

Analogous

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



34.2462, 43.9171, 14.7879



28.4416, 43.9171, 24.4306



26.1745, 43.9171, 44.5061

Triad

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



28.4416, 43.9171, 24.4306



40.5687, 43.9171, 120.3350



60.1496, 43.9171, 28.3807

Complementary

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



28.4416, 43.9171, 24.4306



35.4249, 23.9691, 44.3556

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.



62.5081, 43.9171, 51.2908



28.4416, 43.9171, 24.4306



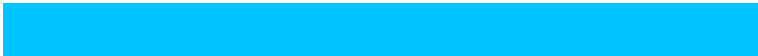
50.2586, 43.9171, 110.9217

Square

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



28.4416, 43.9171, 24.4306



32.4797, 43.9171, 105.0838



58.6514, 43.9171, 82.7479



52.6161, 43.9171, 16.3938

Rectangle

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



28.4416, 43.9171, 24.4306



26.6780, 43.9171, 63.8154



58.6514, 43.9171, 82.7479



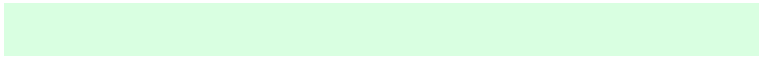
61.6184, 43.9171, 34.7464

Sweetspot

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



28.4427, 43.9189, 24.4316



77.8312, 91.6455, 84.5045



40.4428, 50.2297, 19.3683



16.2000, 19.3935, 17.4236



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.



28.4427, 43.9189, 24.4316



45.4888, 76.0445, 34.5527



32.1437, 45.3993, 43.9209



10.5845, 11.9227, 11.7623



13.4116, 26.3770, 5.8459



0.6618, 1.2596, 0.4175

Inverse Universe

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



35.4249, 23.9691, 44.3556



59.4153, 36.1323, 74.2032



31.4117, 22.3638, 23.2220



10.9868, 10.7781, 12.9136



19.1673, 9.4165, 21.8886



0.9317, 0.4555, 1.1636

Previews

White Background



This preview shows how the XYZ color 28.4416, 43.9171, 24.4306 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 28.4416, 43.9171, 24.4306 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 28.4416, 43.9171, 24.4306

Background



This preview shows how black text looks on a background with the XYZ color 28.4416, 43.9171, 24.4306.



This preview shows how white text looks on a background with the XYZ color 28.4416, 43.9171,

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

28.4416, 43.9171, 24.4306

Protanopia

40.1328, 43.4048, 21.3017

Deuteranopia

44.0630, 43.0669, 25.7290



Tritanopia

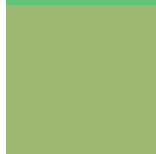
36.0387, 43.7269, 62.4178

Trichromacy



Original Color

28.4416, 43.9171, 24.4306



Protanomaly

34.2783, 42.7650, 22.3674



Deuteranomaly

36.0574, 42.1053, 24.9656



Tritanomaly

32.7593, 43.6849, 45.7352

Monochromacy



Original Color

28.4416, 43.9171, 24.4306



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.2941, 37.2191, 31.9729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4416, 43.9171, 24.4306 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(99, 197, 119)` looks like.

```
.text, #text, p{  
    color:rgb(99, 197, 119)  
}
```

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(99, 197, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 197, 119) }
```

Border

The CSS property to change the border of an element to XYZ 28.4416, 43.9171, 24.4306 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(99, 197, 119) }
```


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

```
.border{ border-color:rgb(99, 197, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 197, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 197, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 197, 119);  
box-shadow:4px 4px 4px 4px rgb(99, 197,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4416, 43.9171, 24.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 197, 119) }
```

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

```
.background{ background-color: rgb(99, 197,  
119) }
```

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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