

Converting Colors

XYZ(28.9192, 45.3426, 17.5837)

Have a look what the booklet for
XYZ(28.9192, 45.3426, 17.5837)
contains.

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Color

**XYZ(28.9367, 45.3501,
17.5842)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC85D
RGB	109, 200, 93
RGB Percent	43%, 78%, 36%
CMY	0.5725, 0.2157, 0.6353
CMYK	0.46, 0.00, 0.53, 0.22
HSL	111°, 49%, 57%
HSV	111°, 53%, 78%
XYZ	28.9367, 45.3501, 17.5842
YIQ	160.5930, -19.8890, -52.5690

Conversions

Conversions Part 2

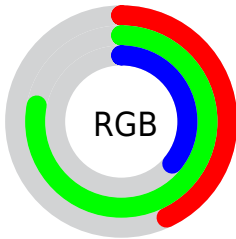
Format	Color
RYB	93, 200, 184
Decimal	7194717
CIELab	73.12, -47.78, 44.74
CIELCh	73, 65.463, 136.882
Yxy	45.3501, 0.3150, 0.4936
Android (android.graphics.Color)	4285384797 (0xFF6DC85D)
YUV	160.5930, -33.3233, -45.2471
Hunter-Lab	67.3425, -41.1489, 31.6582

Details

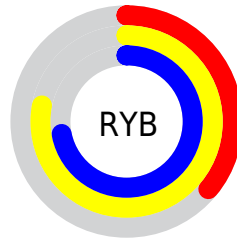
The XYZ color **28.9367, 45.3501, 17.5842** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **34.1092, 22.1907, 57.1316**, and the grayscale version is **33.8446, 35.6071, 38.7762**.

A 20% lighter version of the original color is **56.6742, 81.7023, 39.9772**, and **11.9086, 21.1218, 5.6398** is the 20% darker color. If you saturate the color by 10%, you get **26.2705, 44.0663, 13.4248**, and if you desaturate by 10%, it is **32.2417, 46.9392, 22.9846**.

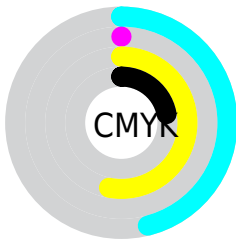
Distribution



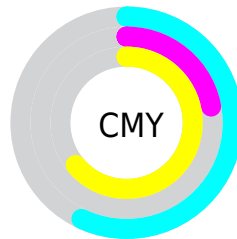
- Red (43%)
- Green (78%)
- Blue (36%)



- Red (36%)
- Yellow (78%)
- Blue (72%)



- Cyan (46%)
- Magenta (0%)
- Yellow (53%)
- Black (22%)



- Cyan (57%)
- Magenta (22%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9367, 45.3501, 17.5842 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 28.9367, 45.3501, 17.5842 by changing the saturation by 10% instead.

■ 28.9367, 45.3501,
17.5842

■ 28.9367, 45.3501,
17.5842

288.9158,
368.1896, 250.6737

■ 19.1770, 31.7333,
10.4855

■ 57.3748, 83.2455,
40.1318

■ 11.9030, 21.1579,
5.6123

■ 76.7838, 108.2929,
56.4179

■ 6.7494, 13.2394,
2.5458

■ 100.1400,
137.9193, 76.6035

■ 3.3508, 7.5936,
0.8643

■ 127.8087,
172.5090, 101.1072

■ 1.3419, 3.8360,
0.0000

160.1553,
212.4465, 130.3476

■ 0.2142, 1.5823,
0.0000

197.5451,

■ 0.0000, 0.3456,

258.1162, 164.7431

0.0000

240.3435,
309.9024, 204.7123

■ 0.0000, 0.0000,
0.0000

■ 28.9367, 45.3501,
17.5842

■ 28.9367, 45.3501,
17.5842

■ 26.2705, 44.0663,
13.4248

■ 32.2417, 46.9392,
22.9846

■ 24.1979, 43.0625,
10.4049

■ 36.2204, 48.8455,
29.7107

■ 22.6729, 42.3189,
8.4123

■ 40.9087, 51.0872,
37.8434

■ 21.6407, 41.8101,
7.3104

■ 46.3393, 53.6797,
47.4563

■ 21.1878, 41.5850,
6.9100

■ 52.5427, 56.6370,
58.6176

■ 59.5477, 59.9728,
71.3917

■ 67.3817, 63.6997,
85.8389

■ 76.0706, 67.8299,
102.0167

■ 79.9452, 69.7904,
103.8651

Harmonies

Analogous

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



37.0162, 45.3501, 10.2621



28.9367, 45.3501, 17.5842



25.0076, 45.3501, 36.3952

Triad

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



28.9367, 45.3501, 17.5842



38.2934, 45.3501, 139.8696



67.8158, 45.3501, 33.2257

Complementary

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



28.9367, 45.3501, 17.5842



34.1092, 22.1907, 57.1316

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.



68.3237, 45.3501, 65.1319



28.9367, 45.3501, 17.5842



49.8250, 45.3501, 137.7332

Square

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



28.9367, 45.3501, 17.5842



29.7283, 45.3501, 111.2554



61.2728, 45.3501, 106.2947



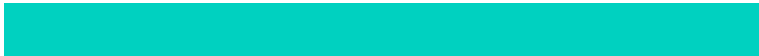
59.9882, 45.3501, 16.1527

Rectangle

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



28.9367, 45.3501, 17.5842



24.7191, 45.3501, 57.3327



61.2728, 45.3501, 106.2947



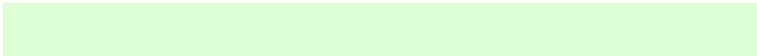
68.8912, 45.3501, 42.1963

Sweetspot

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



28.9378, 45.3520, 17.5852



77.5292, 91.6477, 77.3559



42.9273, 47.3321, 17.2301



16.1671, 19.4124, 15.7993



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.



28.9378, 45.3520, 17.5852



44.9120, 76.0159, 22.3849



29.2295, 45.2617, 28.4748



10.6426, 11.9627, 11.3109



13.5190, 26.4646, 4.3957



0.6886, 1.2781, 0.2104

Inverse Universe

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



34.1092, 22.1907, 57.1316



54.6861, 31.7623, 97.8562



34.3060, 22.7375, 37.0217



10.9213, 10.7332, 13.4136



17.2430, 8.1234, 35.4035



0.8599, 0.4071, 1.6784

Previews

White Background



This preview shows how the XYZ color 28.9367, 45.3501, 17.5842 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 28.9367, 45.3501, 17.5842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

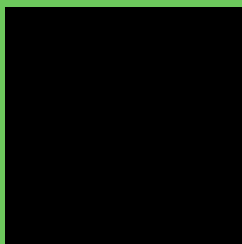
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9367, 45.3501, 17.5842

Background



This preview shows how black text looks on a background with the XYZ color 28.9367, 45.3501, 17.5842.



This preview shows how white text looks on a background with the XYZ color 28.9367, 45.3501,

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

28.9367, 45.3501, 17.5842

Protanopia

41.0885, 44.9179, 15.3085

Deuteranopia

45.6371, 44.5945, 18.5142



Tritanopia

37.9686, 45.0241, 63.1893

Trichromacy



Original Color

28.9367, 45.3501, 17.5842



Protanomaly

35.2994, 44.3689, 16.1548



Deuteranomaly

37.0886, 43.3946, 17.9765



Tritanomaly

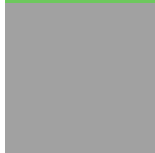
33.4865, 44.4812, 41.4711

Monochromacy



Original Color

28.9367, 45.3501, 17.5842



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.9292, 38.1883, 29.0335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9367, 45.3501, 17.5842 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(109, 200, 93)` looks like.

```
.text, #text, p{  
    color:rgb(109, 200, 93)  
}
```

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(109, 200, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 200, 93) }
```

Border

The CSS property to change the border of an element to XYZ 28.9367, 45.3501, 17.5842 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(109, 200, 93) }
```


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

```
.border{ border-color:rgb(109, 200, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 200, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 200, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 200, 93);  
box-shadow:4px 4px 4px 4px rgb(109, 200,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9367, 45.3501, 17.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 200, 93) }
```

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

```
.background{ background-color: rgb(109,  
200, 93) }
```

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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