

Converting Colors

XYZ(28.5568, 45.2374, 15.8380)

Have a look what the booklet for
XYZ(28.5568, 45.2374, 15.8380)
contains.

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Color

**XYZ(28.4783, 45.1526,
15.8087)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC855
RGB	108, 200, 85
RGB Percent	42%, 78%, 33%
CMY	0.5765, 0.2157, 0.6667
CMYK	0.46, 0.00, 0.57, 0.22
HSL	108°, 51%, 56%
HSV	108°, 57%, 78%
XYZ	28.4783, 45.1526, 15.8087
YIQ	159.3820, -17.9170, -55.2690

Conversions

Conversions Part 2

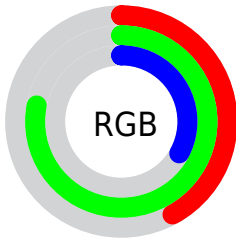
Format	Color
RYB	85, 200, 177
Decimal	7129173
CIELab	72.99, -49.01, 48.32
CIELCh	73, 68.823, 135.408
Yxy	45.1526, 0.3184, 0.5048
Android (android.graphics.Color)	4285319253 (0xFF6CC855)
YUV	159.3820, -36.6703, -45.0620
Hunter-Lab	67.1957, -41.9421, 33.0882

Details

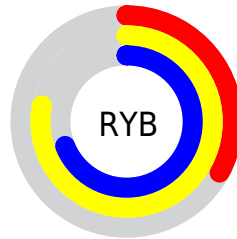
The XYZ color **28.4783, 45.1526, 15.8087** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **31.8077, 20.0158, 56.8331**, and the grayscale version is **33.2994, 35.0335, 38.1515**.

A 20% lighter version of the original color is **55.8645, 81.3543, 36.8033**, and **11.6527, 21.0081, 4.8073** is the 20% darker color. If you saturate the color by 10%, you get **26.0230, 43.9674, 12.1165**, and if you desaturate by 10%, it is **31.5175, 46.6156, 20.7022**.

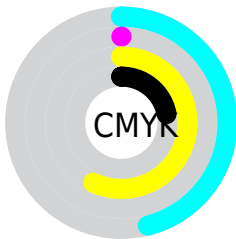
Distribution



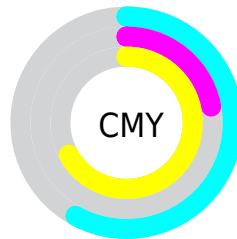
- Red (42%)
- Green (78%)
- Blue (33%)



- Red (33%)
- Yellow (78%)
- Blue (69%)



- Cyan (46%)
- Magenta (0%)
- Yellow (57%)
- Black (22%)



- Cyan (58%)
- Magenta (22%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4783, 45.1526, 15.8087 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 28.4783, 45.1526, 15.8087 by changing the saturation by 10% instead.

■ 28.4783, 45.1526,
15.8087

■ 28.4783, 45.1526,
15.8087

286.7842,
367.3912, 240.0173

■ 18.8288, 31.5776,
9.2360

■ 56.6505, 82.9494,
37.0279

■ 11.6499, 21.0391,
4.7965

■ 75.9039, 107.9399,
52.5116

■ 6.5763, 13.1526,
2.0717

■ 99.0893, 137.5045,
71.8026

■ 3.2425, 7.5337,
0.5989

■ 126.5721,
172.0275, 95.3195

■ 1.2833, 3.7981,
0.0000

■ 158.7177,
211.8933, 123.4809

■ 0.1706, 1.5612,
0.0000

195.8913,

■ 0.0000, 0.3313,

257.4862, 156.7053

0.0000

238.4584,
309.1907, 195.4112

■ 0.0000, 0.0000,
0.0000

■ 28.4783, 45.1526,
15.8087

■ 28.4783, 45.1526,
15.8087

■ 26.0230, 43.9674,
12.1165

■ 31.5175, 46.6156,
20.7022

■ 24.1093, 43.0363,
9.5190

■ 35.1727, 48.3668,
26.8854

■ 22.6940, 42.3412,
7.8964

■ 39.4773, 50.4231,
34.4419

■ 21.7212, 41.8568,
7.0780

■ 44.4613, 52.7983,
43.4474

■ 21.5301, 41.7615,
6.9260

■ 50.1529, 55.5054,
53.9722

■ 56.5787, 58.5567,
66.0818

■ 63.7638, 61.9637,
79.8381

■ 71.7322, 65.7376,
95.2994

■ 78.8531, 69.2275,
103.8140

Harmonies

Analogous

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



37.0665, 45.1526, 8.9889



28.4783, 45.1526, 15.8087



24.2181, 45.1526, 34.3091

Triad

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



28.4783, 45.1526, 15.8087



37.3557, 45.1526, 144.9991



69.2601, 45.1526, 33.5975

Complementary

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



28.4783, 45.1526, 15.8087



31.8077, 20.0158, 56.8331

Split Complementary

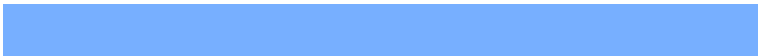
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.3774, 45.1526, 67.7847



28.4783, 45.1526, 15.8087



49.3510, 45.1526, 144.4978

Square

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



28.4783, 45.1526, 15.8087



28.6558, 45.1526, 112.9269



61.5578, 45.1526, 111.7701



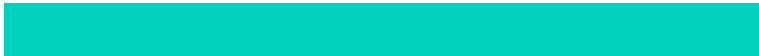
61.2621, 45.1526, 15.4978

Rectangle

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



28.4783, 45.1526, 15.8087



23.7822, 45.1526, 55.6663



61.5578, 45.1526, 111.7701



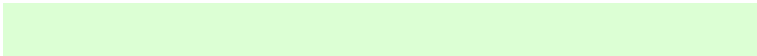
70.2658, 45.1526, 43.1879

Sweetspot

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



28.4794, 45.1545, 15.8097



77.2113, 91.5212, 75.6520



41.1832, 44.3817, 14.9910



16.1277, 19.3995, 15.4648



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.



28.4794, 45.1545, 15.8097



44.1431, 75.6784, 19.6875



27.7619, 44.5859, 24.7545



10.6923, 11.9883, 11.3132



13.7483, 26.5828, 4.4064



0.7112, 1.2897, 0.2115

Inverse Universe

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



31.8077, 20.0158, 56.8331



50.3089, 28.0060, 97.3619



33.9068, 21.5124, 38.2035



10.8673, 10.7054, 13.4111



15.9216, 7.4421, 35.3417



0.8083, 0.3804, 1.6760

Previews

White Background



This preview shows how the XYZ color 28.4783, 45.1526, 15.8087 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 28.4783, 45.1526, 15.8087 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 28.4783, 45.1526, 15.8087

Background



This preview shows how black text looks on a background with the XYZ color 28.4783, 45.1526, 15.8087.



This preview shows how white text looks on a background with the XYZ color 28.4783, 45.1526,

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

28.4783, 45.1526, 15.8087

Protanopia

40.5842, 44.3966, 13.6381

Deuteranopia

45.2640, 44.4452, 16.5490



Tritanopia

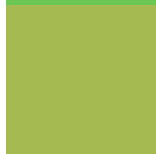
37.9686, 45.0241, 63.1893

Trichromacy



Original Color

28.4783, 45.1526, 15.8087



Protanomaly

34.5612, 43.7112, 14.4001



Deuteranomaly

36.7294, 43.2509, 16.0853



Tritanomaly

33.2208, 44.3749, 40.0720

Monochromacy



Original Color

28.4783, 45.1526, 15.8087



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.1161, 37.5135, 27.4833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4783, 45.1526, 15.8087 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(108, 200, 85)` looks like.

```
.text, #text, p{  
    color:rgb(108, 200, 85)  
}
```

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(108, 200, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 200, 85) }
```

Border

The CSS property to change the border of an element to XYZ 28.4783, 45.1526, 15.8087 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(108, 200, 85) }
```


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

```
.border{ border-color:rgb(108, 200, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 200, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 200, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 200, 85);  
box-shadow:4px 4px 4px 4px rgb(108, 200,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4783, 45.1526, 15.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 200, 85) }
```

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

```
.background{ background-color: rgb(108,  
200, 85) }
```

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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