

Converting Colors

XYZ(29.4523, 45.5687, 29.8179)

Have a look what the booklet for
XYZ(29.4523, 45.5687, 29.8179)
contains.

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Color

**XYZ(29.5041, 45.7187,
29.8238)**

Conversions

Conversions Part 1

Format	Color
Hex	5BC986
RGB	91, 201, 134
RGB Percent	36%, 79%, 53%
CMY	0.6431, 0.2117, 0.4745
CMYK	0.55, 0.00, 0.33, 0.21
HSL	143°, 50%, 57%
HSV	143°, 55%, 79%
XYZ	29.5041, 45.7187, 29.8238
YIQ	160.4720, -44.0530, -44.1570

Conversions

Conversions Part 2

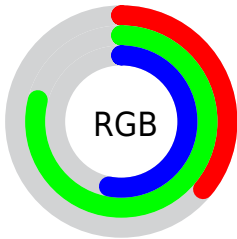
Format	Color
RYB	91, 170, 201
Decimal	6015366
CIELab	73.36, -46.64, 24.19
CIELCh	73, 52.536, 152.588
Yxy	45.7187, 0.2809, 0.4352
Android (android.graphics.Color)	4284205446 (0xFF5BC986)
YUV	160.4720, -13.0507, -60.9269
Hunter-Lab	67.6156, -40.4388, 21.1794

Details

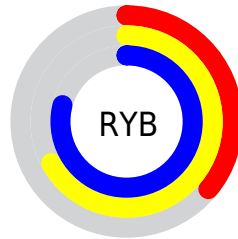
The XYZ color **29.5041, 45.7187, 29.8238** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **34.0015, 22.3692, 34.8749**, and the grayscale version is **33.7056, 35.4609, 38.6169**.

A 20% lighter version of the original color is **57.2315, 81.5404, 60.2994**, and **12.2325, 21.3800, 11.8695** is the 20% darker color. If you saturate the color by 10%, you get **26.9768, 44.5101, 25.5036**, and if you desaturate by 10%, it is **32.6633, 47.2441, 34.6917**.

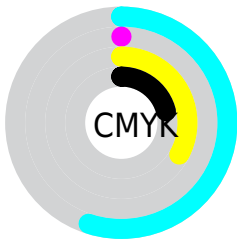
Distribution



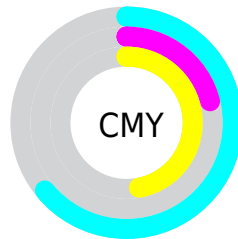
- Red (36%)
- Green (79%)
- Blue (53%)



- Red (36%)
- Yellow (67%)
- Blue (79%)



- Cyan (55%)
- Magenta (0%)
- Yellow (33%)
- Black (21%)



- Cyan (64%)
- Magenta (21%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5041, 45.7187, 29.8238 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 29.5041, 45.7187, 29.8238 by changing the saturation by 10% instead.

■ 29.5041, 45.7187,
29.8238

■ 29.5041, 45.7187,
29.8238

291.5375,
369.6766, 315.2640

■ 19.6087, 32.0239,
19.4540

■ 58.2691, 83.7979,
60.4411

■ 12.2175, 21.3798,
11.8186

■ 77.8694, 108.9510,
81.5257

■ 6.9653, 13.4019,
6.4993

■ 101.4353,
138.6924, 107.0189

■ 3.4865, 7.7059,
3.0773

■ 129.3323,
173.4064, 137.3394

■ 1.4160, 3.9073,
1.1342

161.9256,
213.4774, 172.9056

■ 0.2676, 1.6219,
0.0000

199.5807,

■ 0.0000, 0.3723,

259.2898, 214.1360

0.0000

242.6629,
311.2281, 261.4493

■ 0.0000, 0.0000,
0.0000

■ 29.5041, 45.7187,
29.8238

■ 29.5041, 45.7187,
29.8238

■ 26.9768, 44.5101,
25.5036

■ 32.6633, 47.2441,
34.6917

■ 25.0309, 43.5890,
21.7083

■ 36.4927, 49.1020,
40.1227

■ 23.6140, 42.9299,
18.4178

■ 41.0314, 51.3134,
46.1357

■ 22.6612, 42.4998,
15.6095

■ 46.3146, 53.8961,
52.7476

■ 22.2833, 42.3334,
14.3127

■ 52.3752, 56.8668,
59.9746

■ 59.2437, 60.2409,
67.8321

■ 66.9493, 64.0330,
76.3353

■ 75.5196, 68.2572,
85.4987

■ 78.4855, 69.5782,
95.0322

Harmonies

Analogous

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



34.5640, 45.7187, 18.0208



29.5041, 45.7187, 29.8238



28.0021, 45.7187, 52.1149

Triad

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



29.5041, 45.7187, 29.8238



44.2621, 45.7187, 119.9458



60.2231, 45.7187, 27.0820

Complementary

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



29.5041, 45.7187, 29.8238



34.0015, 22.3692, 34.8749

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.



63.7468, 45.7187, 47.5157



29.5041, 45.7187, 29.8238



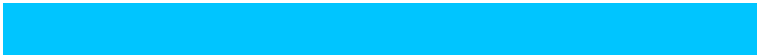
53.7515, 45.7187, 106.1922

Square

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



29.5041, 45.7187, 29.8238



35.7716, 45.7187, 110.0484



61.2267, 45.7187, 77.0965



52.1649, 45.7187, 16.8779

Rectangle

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



29.5041, 45.7187, 29.8238



29.0182, 45.7187, 72.0128



61.2267, 45.7187, 77.0965



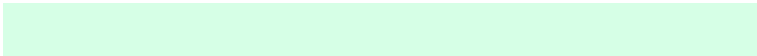
62.0250, 45.7187, 32.6704

Sweetspot

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



29.5053, 45.7206, 29.8248



77.8538, 91.5678, 88.5436



37.0416, 49.8846, 17.5743



16.2455, 19.3946, 18.4348



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.



29.5053, 45.7206, 29.8248



45.3702, 75.8149, 42.1587



34.2975, 47.6375, 55.0605



10.6663, 11.9554, 12.1928



14.0523, 26.6333, 9.2202



0.7008, 1.2753, 0.6231

Inverse Universe

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



34.0015, 22.3692, 34.8749



53.8322, 31.7112, 51.5478



30.3200, 20.8966, 15.4883



10.9007, 10.7437, 12.4602



17.4168, 8.7163, 12.6704



0.8595, 0.4266, 0.7833

Previews

White Background



This preview shows how the XYZ color 29.5041, 45.7187, 29.8238 looks on a white background.

Color Contrast Check

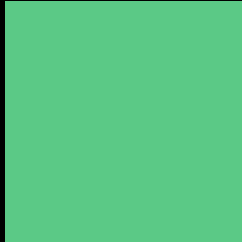
Large Text (above 18pt) WCAG AA × Fail

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 29.5041, 45.7187, 29.8238 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 29.5041, 45.7187, 29.8238

Background



This preview shows how black text looks on a background with the XYZ color 29.5041, 45.7187, 29.8238.



This preview shows how white text looks on a background with the XYZ color 29.5041, 45.7187,

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

29.5041, 45.7187, 29.8238

Protanopia

41.7505, 45.0329, 25.5605

Deuteranopia

45.8547, 44.9834, 31.4652



Tritanopia

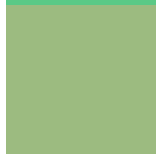
36.6677, 45.5838, 65.8974

Trichromacy



Original Color

29.5041, 45.7187, 29.8238



Protanomaly

35.3769, 44.1671, 27.0826



Deuteranomaly

37.2468, 43.8089, 30.5376



Tritanomaly

33.4622, 45.2686, 50.1541

Monochromacy



Original Color

29.5041, 45.7187, 29.8238



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.9076, 38.0452, 34.9926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5041, 45.7187, 29.8238 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(91, 201, 134)` looks like.

```
.text, #text, p{  
    color:rgb(91, 201, 134)  
}
```

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(91, 201, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 201, 134) }
```

Border

The CSS property to change the border of an element to XYZ 29.5041, 45.7187, 29.8238 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(91, 201, 134) }
```


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

```
.border{ border-color:rgb(91, 201, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 201, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 201, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 201, 134);  
box-shadow:4px 4px 4px 4px rgb(91, 201,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5041, 45.7187, 29.8238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 201, 134) }
```

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

```
.background{ background-color: rgb(91, 201,  
134) }
```

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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