

Converting Colors

$Y_{xy}(45.3412, 0.2861, 0.5088)$

Have a look what the booklet for
Yxy(45.3412, 0.2861, 0.5088)
contains.

Yxy(45.3011, 0.2862, 0.5090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.3011, 0.2862, 0.5090)

Conversions

Conversions Part 1

Format	Color
Hex	37CD5F
RGB	55, 205, 95
RGB Percent	22%, 80%, 37%
CMY	0.7844, 0.1961, 0.6275
CMYK	0.73, 0.00, 0.54, 0.20
HSL	136°, 60%, 51%
HSV	136°, 73%, 80%
XYZ	25.4719, 45.3011, 18.2272
YIQ	147.6100, -54.0900, -66.0100

Conversions

Conversions Part 2

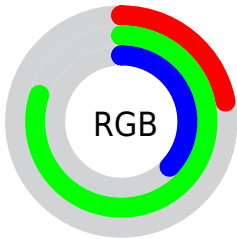
Format	Color
RYB	55, 173, 205
Decimal	3657055
CIELab	73.09, -61.65, 43.38
CIELCh	73, 75.377, 144.868
Yxy	45.3011, 0.2862, 0.5090
Android (android.graphics.Color)	4281847135 (0xFF37CD5F)
YUV	147.6100, -25.9367, -81.2190
Hunter-Lab	67.3061, -50.2327, 31.0579

Details

The Yxy color **45.3011, 0.2862, 0.5090** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **18.4276, 0.3739, 0.2067**, and the grayscale version is **29.5699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8691, 0.2940, 0.4646**, and **21.6767, 0.2883, 0.5579** is the 20% darker color. If you saturate the color by 10%, you get **44.5920, 0.2870, 0.5342**, and if you desaturate by 10%, it is **46.3070, 0.2870, 0.4817**.

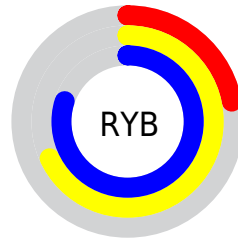
Distribution



Red (22%)

Green (80%)

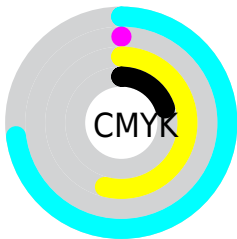
Blue (37%)



Red (22%)

Yellow (68%)

Blue (80%)

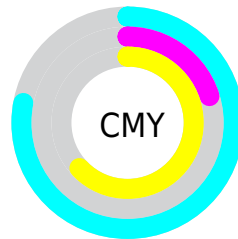


Cyan (73%)

Magenta (0%)

Yellow (54%)

Black (20%)



Cyan (78%)


Magenta (20%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3011, 0.2862, 0.5090 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 Yxy color 45.3011, 0.2862, 0.5090 by changing the saturation by 10% instead.

 45.3011, 0.2862,
0.5090


 45.3011, 0.2862,
0.5090


367.9917, 0.3045,
0.4112


 31.6947, 0.2797,
0.5354


 83.1721, 0.2942,
0.4718


 21.1284, 0.2702,
0.5702


 108.2054, 0.2968,
0.4583

 13.2179, 0.2555,
0.6173


 137.8164, 0.2988,
0.4471

 7.5787, 0.2310,
0.6829

 172.3896, 0.3004,
0.4377

 3.8266, 0.1951,
0.8049

 212.3093, 0.3017,
0.4296

 1.5770, 0.0000,
1.0000

257.9600, 0.3028,

 0.3421, 0.0000,

0.4226

1.0000

309.7260, 0.3037,
0.4166

■ 0.0000, 0.0000,
0.0000

■ 45.3011, 0.2862,
0.5090

■ 45.3011, 0.2862,
0.5090

■ 44.5920, 0.2870,
0.5342

■ 46.3070, 0.2870,
0.4817

■ 44.1390, 0.2892,
0.5559

■ 47.6335, 0.2891,
0.4536


■ 43.9375, 0.2912,
0.5683

■ 49.3079, 0.2924,
0.4261


■ 51.3535, 0.2965,
0.3999

■ 53.7910, 0.3012,
0.3759

 56.6400, 0.3061,
0.3541

 59.9186, 0.3111,
0.3347

 63.6437, 0.3161,
0.3176

 67.8315, 0.3209,
0.3026

Harmonies

Analogous

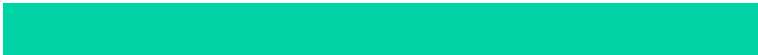
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3011, 0.3823, 0.5209



45.3011, 0.2862, 0.5090



45.3011, 0.2023, 0.4087

Triad

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



45.3011, 0.2862, 0.5090



45.3011, 0.1640, 0.1820



45.3011, 0.5016, 0.3228

Complementary

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



45.3011, 0.2862, 0.5090



18.4276, 0.3739, 0.2067

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.



45.3011, 0.4204, 0.2589



45.3011, 0.2862, 0.5090



45.3011, 0.2195, 0.1821

Square

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



45.3011, 0.2862, 0.5090



45.3011, 0.1424, 0.2146



45.3011, 0.3107, 0.2091



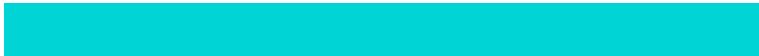
45.3011, 0.5151, 0.3931

Rectangle

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



45.3011, 0.2862, 0.5090



45.3011, 0.1653, 0.3268



45.3011, 0.3107, 0.2091



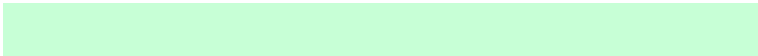
45.3011, 0.4810, 0.3005

Sweetspot

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



45.3030, 0.2862, 0.5090



88.4964, 0.3016, 0.3738



51.9399, 0.3744, 0.5112



18.6896, 0.3003, 0.3801



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3030, 0.2862, 0.5090



72.5510, 0.2881, 0.5476



47.3791, 0.2481, 0.3833



12.5853, 0.3080, 0.3465



27.3650, 0.2905, 0.5659



1.4246, 0.2794, 0.5258

Inverse Universe

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



18.4276, 0.3739, 0.2067



26.1662, 0.3914, 0.1985



16.4493, 0.5052, 0.2928



11.3507, 0.3178, 0.3122



9.4738, 0.4015, 0.1985



0.5009, 0.3824, 0.1880

Previews

White Background



This preview shows how the Yxy color 45.3011, 0.2862, 0.5090 looks on a white background.

Color Contrast Check

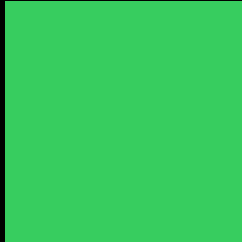
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.3011, 0.2862, 0.5090 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](#).

Yxy 45.3011, 0.2862, 0.5090

Background



This preview shows how black text looks on a background with the Yxy color 45.3011, 0.2862, 0.5090.



This preview shows how white text looks on a background with the Yxy color 45.3011, 0.2862, 0.5090.

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

45.3011, 0.2862, 0.5090

Protanopia

44.3830, 0.4053, 0.4428

Deuteranopia

44.3479, 0.4153, 0.4076



Tritanopia

45.0737, 0.2391, 0.3073

Trichromacy



Original Color

45.3011, 0.2862, 0.5090



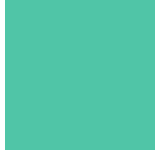
Protanomaly

42.7075, 0.3488, 0.4734



Deuteranomaly

41.9747, 0.3537, 0.4474



Tritanomaly

44.4280, 0.2559, 0.3758

Monochromacy



Original Color

45.3011, 0.2862, 0.5090



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.5383, 0.2968, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3011, 0.2862, 0.5090 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(55, 205, 95)` looks like.

```
.text, #text, p{  
    color:rgb(55, 205, 95)  
}
```

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(55, 205, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 205, 95) }
```

Border

The CSS property to change the border of an element to Yxy 45.3011, 0.2862, 0.5090 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(55, 205, 95) }
```

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

```
.border{ border-color:rgb(55, 205, 95) }
```

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

Here you see how a box with a 4 pixel rgb(55, 205, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 205, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 205, 95);  
box-shadow:4px 4px 4px 4px rgb(55, 205,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3011, 0.2862, 0.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 205, 95) }
```

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

```
.background{ background-color: rgb(55, 205,  
95) }
```

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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