

Converting Colors

Yxy(49.8219, 0.3040, 0.5028)

Have a look what the booklet for
Yxy(49.8219, 0.3040, 0.5028)
contains.

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Color

Yxy(49.8660, 0.3040, 0.5032)

Conversions

Conversions Part 1

Format	Color
Hex	5FD360
RGB	95, 211, 96
RGB Percent	37%, 83%, 38%
CMY	0.6274, 0.1725, 0.6235
CMYK	0.55, 0.00, 0.54, 0.17
HSL	121°, 57%, 60%
HSV	121°, 55%, 83%
XYZ	30.1257, 49.8660, 19.1061
YIQ	163.2060, -32.2210, -60.3570

Conversions

Conversions Part 2

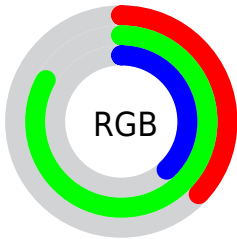
Format	Color
RYB	95, 210, 211
Decimal	6280032
CIELab	75.99, -55.59, 46.63
CIElCh	76, 72.555, 140.009
Yxy	49.8660, 0.3040, 0.5032
Android (android.graphics.Color)	4284470112 (0xFF5FD360)
YUV	163.2060, -33.1326, -59.8167
Hunter-Lab	70.6159, -47.4271, 33.3894

Details

The Yxy color **49.8660, 0.3040, 0.5032** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **26.6879, 0.3199, 0.2004**, and the grayscale version is **36.9015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5600, 0.3094, 0.4573**, and **23.7951, 0.2935, 0.5583** is the 20% darker color. If you saturate the color by 10%, you get **48.5515, 0.3025, 0.5363**, and if you desaturate by 10%, it is **51.5931, 0.3057, 0.4677**.

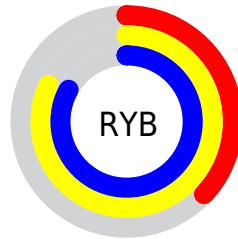
Distribution



Red (37%)

Green (83%)

Blue (38%)



Red (37%)

Yellow (82%)

Blue (83%)

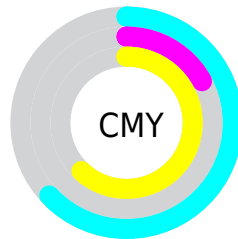


Cyan (55%)

Magenta (0%)

Yellow (54%)

Black (17%)



Cyan (63%)


Magenta (17%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8660, 0.3040, 0.5032 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 49.8660, 0.3040, 0.5032 by changing the saturation by 10% instead.


 49.8660, 0.3040,
0.5032

 49.8660, 0.3040,
0.5032


386.1417, 0.3132,
0.4108

 35.3069, 0.2999,
0.5273


 89.9763, 0.3086,
0.4687

 23.8994, 0.2936,
0.5585


 116.2963, 0.3100,
0.4560

 15.2590, 0.2832,
0.5998


 147.3055, 0.3109,
0.4453

 9.0014, 0.2651,
0.6560

 183.3881, 0.3117,
0.4363

 4.7421, 0.2402,
0.7598

224.9287, 0.3122,
0.4286

 2.0967, 0.1343,
0.8657

272.3115, 0.3126,

 0.6628, 0.0000,

0.4219

1.0000

325.9211, 0.3129,
0.4160

■ 0.0000, 0.0000,
0.0000

■ 49.8660, 0.3040,
0.5032

■ 49.8660, 0.3040,
0.5032

■ 48.5515, 0.3025,
0.5363

■ 51.5931, 0.3057,
0.4677

■ 47.6097, 0.3012,
0.5641

■ 53.7565, 0.3074,
0.4324

■ 47.0037, 0.3004,
0.5845

■ 56.3854, 0.3091,
0.3989

■ 46.6860, 0.3000,
0.5961

■ 59.5048, 0.3107,
0.3684

■ 46.5941, 0.2999,
0.5995

■ 63.1377, 0.3121,
0.3412

67.3059, 0.3133,
0.3175

72.0298, 0.3144,
0.2970

75.0701, 0.3147,
0.2861

Harmonies

Analogous

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



49.8660, 0.3945, 0.5039



49.8660, 0.3040, 0.5032



49.8660, 0.2206, 0.4214

Triad

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



49.8660, 0.3040, 0.5032



49.8660, 0.1664, 0.1928



49.8660, 0.4806, 0.3141

Complementary

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



49.8660, 0.3040, 0.5032



26.6879, 0.3199, 0.2004

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.



49.8660, 0.3974, 0.2543



49.8660, 0.3040, 0.5032



49.8660, 0.2142, 0.1878

Square

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



49.8660, 0.3040, 0.5032



49.8660, 0.1506, 0.2307



49.8660, 0.2955, 0.2097



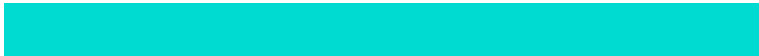
49.8660, 0.5054, 0.3809

Rectangle

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



49.8660, 0.3040, 0.5032



49.8660, 0.1810, 0.3456



49.8660, 0.2955, 0.2097



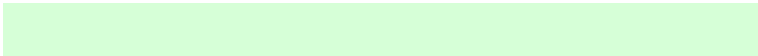
49.8660, 0.4580, 0.2931

Sweetspot

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



49.8681, 0.3040, 0.5032



90.7297, 0.3105, 0.3718



61.2658, 0.3915, 0.4593



19.1971, 0.3102, 0.3780



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.



49.8681, 0.3040, 0.5032



74.2391, 0.3022, 0.5416



51.3234, 0.2737, 0.4161



13.2079, 0.3115, 0.3528



28.1194, 0.2998, 0.5994



1.5729, 0.2993, 0.5973

Inverse Universe

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



26.6879, 0.3199, 0.2004



35.1542, 0.3211, 0.1808



24.3350, 0.3907, 0.2590



12.0072, 0.3139, 0.3063



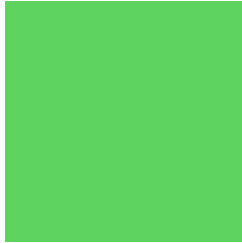
11.1419, 0.3231, 0.1553



0.6236, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 49.8660, 0.3040, 0.5032 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 49.8660, 0.3040, 0.5032 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 49.8660, 0.3040, 0.5032

Background



This preview shows how black text looks on a background with the Yxy color 49.8660, 0.3040, 0.5032.

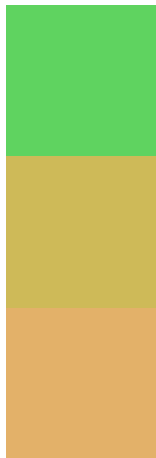


This preview shows how white text looks on a background with the Yxy color 49.8660, 0.3040, 0.5032.

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

49.8660, 0.3040, 0.5032

Protanopia

48.9442, 0.4069, 0.4448

Deuteranopia

48.7951, 0.4201, 0.4104



Tritanopia

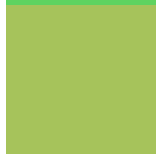
49.3808, 0.2510, 0.3072

Trichromacy



Original Color

49.8660, 0.3040, 0.5032



Protanomaly

47.8925, 0.3633, 0.4686



Deuteranomaly

46.9382, 0.3708, 0.4441



Tritanomaly

49.0969, 0.2709, 0.3759

Monochromacy



Original Color

49.8660, 0.3040, 0.5032



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.9099, 0.3089, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8660, 0.3040, 0.5032 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(95, 211, 96)` looks like.

```
.text, #text, p{  
    color:rgb(95, 211, 96)  
}
```

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(95, 211, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 211, 96) }
```

Border

The CSS property to change the border of an element to Yxy 49.8660, 0.3040, 0.5032 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(95, 211, 96) }
```

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

```
.border{ border-color:rgb(95, 211, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 211, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 211, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 211, 96);  
box-shadow:4px 4px 4px 4px rgb(95, 211,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8660, 0.3040, 0.5032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 211, 96) }
```

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

```
.background{ background-color: rgb(95, 211,  
96) }
```

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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