

Converting Colors

$Y_{xy}(34.1746, 0.3041, 0.5512)$

Have a look what the booklet for
Yxy(34.1746, 0.3041, 0.5512)
contains.

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Color

Yxy(34.1746, 0.3041, 0.5512)

Conversions

Conversions Part 1

Format	Color
Hex	39B535
RGB	57, 181, 53
RGB Percent	22%, 71%, 21%
CMY	0.7764, 0.2902, 0.7921
CMYK	0.69, 0.00, 0.71, 0.29
HSL	118°, 55%, 46%
HSV	118°, 71%, 71%
XYZ	18.8543, 34.1746, 8.9715
YIQ	129.3320, -32.8160, -66.0960

Conversions

Conversions Part 2

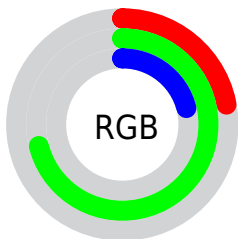
Format	Color
RYB	53, 181, 177
Decimal	3781941
CIELab	65.10, -57.97, 52.80
CIELCh	65, 78.410, 137.671
Yxy	34.1746, 0.3041, 0.5512
Android (android.graphics.Color)	4281972021 (0xFF39B535)
YUV	129.3320, -37.6317, -63.4352
Hunter-Lab	58.4590, -44.7332, 31.8224

Details

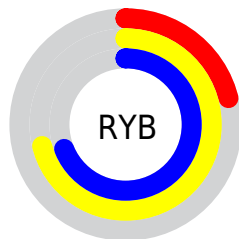
The Yxy color **34.1746, 0.3041, 0.5512** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.2308, 0.3147, 0.1727**, and the grayscale version is **22.2208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2037, 0.3111, 0.5027**, and **15.1787, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.6102, 0.3026, 0.5752**, and if you desaturate by 10%, it is **34.9826, 0.3057, 0.5209**.

Distribution



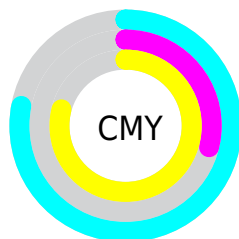
- Red (22%)
- Green (71%)
- Blue (21%)



- Red (21%)
- Yellow (71%)
- Blue (69%)



- Cyan (69%)
- Magenta (0%)
- Yellow (71%)
- Black (29%)



- Cyan (78%)
- Magenta (29%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1746, 0.3041, 0.5512 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 34.1746, 0.3041, 0.5512 by changing the saturation by 10% instead.


 34.1746, 0.3041,
0.5512


 34.1746, 0.3041,
0.5512


320.9099, 0.3169,
0.4262


 23.0278, 0.2967,
0.5856


 66.2051, 0.3115,
0.5030


 14.6140, 0.2843,
0.6305

 87.8575, 0.3134,
0.4856

 8.5489, 0.2634,
0.6928


 113.7806, 0.3147,
0.4713

 4.4482, 0.2245,
0.7755

 144.3588, 0.3155,
0.4593

 1.9273, 0.0827,
0.9173

 179.9764, 0.3161,
0.4492

 0.5647, 0.0000,
1.0000

 221.0179, 0.3165,

 0.0000, 0.0000,

0.4404

0.0000

267.8676, 0.3167,
0.4329

■ 34.1746, 0.3041,
0.5512

■ 34.1746, 0.3041,
0.5512

■ 33.6102, 0.3026,
0.5752

■ 34.9826, 0.3057,
0.5209

■ 33.2585, 0.3013,
0.5912

■ 36.0529, 0.3073,
0.4868

■ 33.0852, 0.3007,
0.5995

■ 37.4071, 0.3087,
0.4515

■ 39.0634, 0.3100,
0.4172

■ 41.0384, 0.3111,
0.3852

■ 43.3477, 0.3120,
0.3563

■ 46.0058, 0.3127,
0.3307

■ 49.0263, 0.3132,
0.3084

■ 52.4221, 0.3137,
0.2891

Harmonies

Analogous

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



34.1746, 0.4093, 0.5321



34.1746, 0.3041, 0.5512



34.1746, 0.2062, 0.4555

Triad

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



34.1746, 0.3041, 0.5512



34.1746, 0.1400, 0.1707



34.1746, 0.5116, 0.3011

Complementary

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



34.1746, 0.3041, 0.5512



15.2308, 0.3147, 0.1727

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.



34.1746, 0.4051, 0.2352



34.1746, 0.3041, 0.5512



34.1746, 0.1901, 0.1642

Square

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



34.1746, 0.3041, 0.5512



34.1746, 0.1247, 0.2144



34.1746, 0.2814, 0.1868



34.1746, 0.5433, 0.3748

Rectangle

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



34.1746, 0.3041, 0.5512



34.1746, 0.1597, 0.3572



34.1746, 0.2814, 0.1868



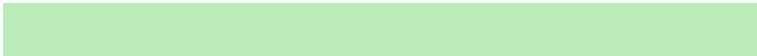
34.1746, 0.4824, 0.2779

Sweetspot

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



34.1760, 0.3041, 0.5512



73.2536, 0.3110, 0.3871



41.4213, 0.4099, 0.4800



15.6153, 0.3107, 0.3956



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.1760, 0.3041, 0.5512



59.7905, 0.3018, 0.5854



34.9923, 0.2717, 0.4536



9.5023, 0.3121, 0.3525



22.8133, 0.3008, 0.5993



0.7220, 0.3044, 0.5965

Inverse Universe

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



15.2308, 0.3147, 0.1727



23.7425, 0.3140, 0.1564



13.7583, 0.4165, 0.2408



8.6329, 0.3133, 0.3065



8.6162, 0.3132, 0.1499



0.2753, 0.3155, 0.1512

Previews

White Background



This preview shows how the Yxy color 34.1746, 0.3041, 0.5512 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 34.1746, 0.3041, 0.5512 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 34.1746, 0.3041, 0.5512

Background



This preview shows how black text looks on a background with the Yxy color 34.1746, 0.3041, 0.5512.



This preview shows how white text looks on a background with the Yxy color 34.1746, 0.3041, 0.5512.

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

34.1746, 0.3041, 0.5512

Protanopia

33.5493, 0.4257, 0.4687

Deuteranopia

33.4672, 0.4430, 0.4338



Tritanopia

34.0190, 0.2437, 0.3065

Trichromacy



Original Color

34.1746, 0.3041, 0.5512



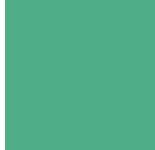
Protanomaly

32.4807, 0.3713, 0.5054



Deuteranomaly

31.8357, 0.3814, 0.4812



Tritanomaly

33.3270, 0.2677, 0.3945

Monochromacy



Original Color

34.1746, 0.3041, 0.5512



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.0030, 0.3104, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1746, 0.3041, 0.5512 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(57, 181, 53)` looks like.

```
.text, #text, p{  
    color:rgb(57, 181, 53)  
}
```

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(57, 181, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 181, 53) }
```

Border

The CSS property to change the border of an element to Yxy 34.1746, 0.3041, 0.5512 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(57, 181, 53) }
```

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

```
.border{ border-color:rgb(57, 181, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 181, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 181, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 181, 53);  
box-shadow:4px 4px 4px 4px rgb(57, 181,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1746, 0.3041, 0.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 181, 53) }
```

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

```
.background{ background-color: rgb(57, 181,  
53) }
```

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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