

Converting Colors

Yxy(53.8338, 0.3013, 0.5180)

Have a look what the booklet for
Yxy(53.8338, 0.3013, 0.5180)
contains.

Yxy(53.9375, 0.3010, 0.5177)	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(53.9375, 0.3010, 0.5177)

Conversions

Conversions Part 1

Format	Color
Hex	56DC5C
RGB	86, 220, 92
RGB Percent	34%, 86%, 36%
CMY	0.6629, 0.1372, 0.6391
CMYK	0.61, 0.00, 0.58, 0.14
HSL	123°, 66%, 60%
HSV	123°, 61%, 86%
XYZ	31.3602, 53.9375, 18.8891
YIQ	165.3420, -38.7760, -68.2160

Conversions

Conversions Part 2

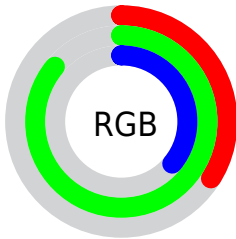
Format	Color
RYB	86, 214, 220
Decimal	5692508
CIELab	78.43, -61.50, 51.26
CIELCh	78, 80.063, 140.192
Yxy	53.9375, 0.3010, 0.5177
Android (android.graphics.Color)	4283882588 (0xFF56DC5C)
YUV	165.3420, -36.1576, -69.5829
Hunter-Lab	73.4422, -52.3032, 36.1603

Details

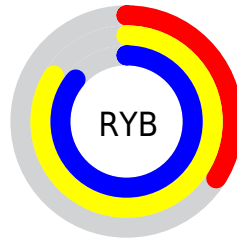
The Yxy color **53.9375, 0.3010, 0.5177** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **26.7162, 0.3258, 0.1935**, and the grayscale version is **37.9869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8912, 0.3075, 0.4622**, and **26.6909, 0.2925, 0.5730** is the 20% darker color. If you saturate the color by 10%, you get **52.7340, 0.2998, 0.5482**, and if you desaturate by 10%, it is **55.5685, 0.3026, 0.4838**.

Distribution



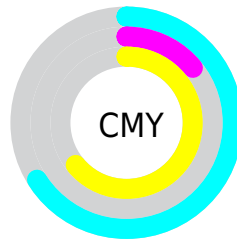
- Red (34%)
- Green (86%)
- Blue (36%)



- Red (34%)
- Yellow (84%)
- Blue (86%)



- Cyan (61%)
- Magenta (0%)
- Yellow (58%)
- Black (14%)





- Cyan (66%)
- Magenta (14%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.9375, 0.3010, 0.5177 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 53.9375, 0.3010, 0.5177 by changing the saturation by 10% instead.


 53.9375, 0.3010,
0.5177


 53.9375, 0.3010,
0.5177


401.8716, 0.3125,
0.4186

 38.5517, 0.2962,
0.5430


 95.9825, 0.3066,
0.4810


 26.4112, 0.2888,
0.5755


 123.4104, 0.3083,
0.4674

 17.1315, 0.2771,
0.6178


 155.6212, 0.3095,
0.4560

 10.3283, 0.2573,
0.6741

 192.9993, 0.3104,
0.4462

 5.6172, 0.2292,
0.7708

235.9289, 0.3111,
0.4379

 2.6137, 0.1433,
0.8567

284.7946, 0.3117,


 0.9336, 0.0000,


0.4306

1.0000


339.9807, 0.3121,
0.4242


 0.0000, 0.0000,
0.0000


 53.9375, 0.3010,
0.5177


 53.9375, 0.3010,
0.5177


 52.7340, 0.2998,
0.5482


 55.5685, 0.3026,
0.4838


 51.9121, 0.2992,
0.5727


 57.6548, 0.3045,
0.4491

 51.4274, 0.2992,
0.5895

 60.2292, 0.3066,
0.4154

 51.2123, 0.2994,
0.5977

 63.3201, 0.3087,
0.3841

 66.9535, 0.3107,
0.3560

■ 71.1536, 0.3125,
0.3311

■ 75.9433, 0.3143,
0.3095

■ 79.6704, 0.3143,
0.2950

Harmonies

Analogous

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



53.9375, 0.3968, 0.5155



53.9375, 0.3010, 0.5177



53.9375, 0.2132, 0.4282

Triad

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



53.9375, 0.3010, 0.5177



53.9375, 0.1583, 0.1845



53.9375, 0.4933, 0.3122

Complementary

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



53.9375, 0.3010, 0.5177



26.7162, 0.3258, 0.1935

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.



53.9375, 0.4040, 0.2498



53.9375, 0.3010, 0.5177



53.9375, 0.2083, 0.1800

Square

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



53.9375, 0.3010, 0.5177



53.9375, 0.1416, 0.2231



53.9375, 0.2944, 0.2031



53.9375, 0.5180, 0.3818

Rectangle

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



53.9375, 0.3010, 0.5177



53.9375, 0.1720, 0.3452



53.9375, 0.2944, 0.2031



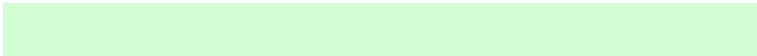
53.9375, 0.4692, 0.2903

Sweetspot

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



53.9397, 0.3010, 0.5177



89.8021, 0.3092, 0.3760



66.3903, 0.3946, 0.4724



18.9204, 0.3086, 0.3846



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.



53.9397, 0.3010, 0.5177



73.3196, 0.2996, 0.5554



55.6162, 0.2691, 0.4209



14.6158, 0.3110, 0.3520



30.0580, 0.2991, 0.5969



1.9507, 0.2966, 0.5876

Inverse Universe

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



26.7162, 0.3258, 0.1935



32.1862, 0.3284, 0.1759



24.0190, 0.4106, 0.2580



13.2641, 0.3145, 0.3070



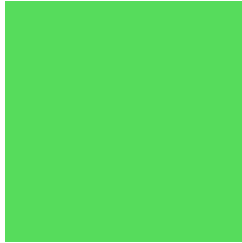
11.6662, 0.3325, 0.1606



0.7590, 0.3305, 0.1594

Previews

White Background



This preview shows how the Yxy color 53.9375, 0.3010, 0.5177 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 53.9375, 0.3010, 0.5177 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 53.9375, 0.3010, 0.5177

Background



This preview shows how black text looks on a background with the Yxy color 53.9375, 0.3010, 0.5177.

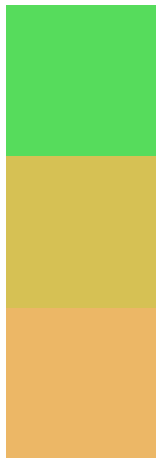


This preview shows how white text looks on a background with the Yxy color 53.9375, 0.3010, 0.5177.

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

53.9375, 0.3010, 0.5177

Protanopia

53.0762, 0.4117, 0.4515

Deuteranopia

52.6591, 0.4264, 0.4164



Tritanopia

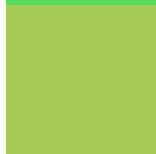
53.3923, 0.2468, 0.3064

Trichromacy



Original Color

53.9375, 0.3010, 0.5177



Protanomaly

51.6155, 0.3627, 0.4799



Deuteranomaly

50.1855, 0.3718, 0.4551



Tritanomaly

52.8095, 0.2675, 0.3807

Monochromacy



Original Color

53.9375, 0.3010, 0.5177



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.7671, 0.3077, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9375, 0.3010, 0.5177 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(86, 220, 92)` looks like.

```
.text, #text, p{  
    color:rgb(86, 220, 92)  
}
```

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(86, 220, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 220, 92) }
```

Border

The CSS property to change the border of an element to Yxy 53.9375, 0.3010, 0.5177 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(86, 220, 92) }
```

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

```
.border{ border-color:rgb(86, 220, 92) }
```

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

Here you see how a box with a 4 pixel rgb(86, 220, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 220, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 220, 92);  
box-shadow:4px 4px 4px 4px rgb(86, 220,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9375, 0.3010, 0.5177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 220, 92) }
```

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

```
.background{ background-color: rgb(86, 220,  
92) }
```

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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