

Converting Colors

$Y_{xy}(53.2120, 0.2642, 0.4652)$

Have a look what the booklet for
Yxy(53.2120, 0.2642, 0.4652)
contains.

Yxy(53.0286, 0.2642, 0.4652)	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(53.0286, 0.2642, 0.4652)

Conversions

Conversions Part 1

Format	Color
Hex	14DC85
RGB	20, 220, 133
RGB Percent	8%, 86%, 52%
CMY	0.9215, 0.1372, 0.4783
CMYK	0.91, 0.00, 0.40, 0.14
HSL	154°, 83%, 47%
HSV	154°, 91%, 86%
XYZ	30.1164, 53.0286, 30.8460
YIQ	150.2820, -91.2730, -69.4570

Conversions

Conversions Part 2

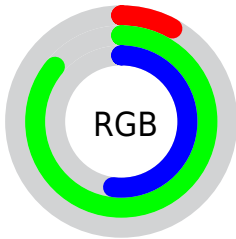
Format	Color
RYB	20, 148, 220
Decimal	1367173
CIELab	77.89, -63.83, 30.53
CIELCh	78, 70.759, 154.441
Yxy	53.0286, 0.2642, 0.4652
Android (android.graphics.Color)	4279557253 (0xFF14DC85)
YUV	150.2820, -8.5200, -114.2573
Hunter-Lab	72.8207, -53.6142, 25.8600

Details

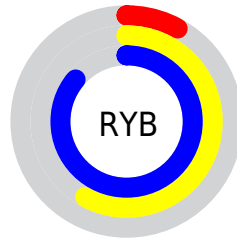
The Yxy color **53.0286, 0.2642, 0.4652** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.7779, 0.5016, 0.2596**, and the grayscale version is **30.6938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4229, 0.2706, 0.4149**, and **26.8036, 0.2717, 0.4981** is the 20% darker color. If you saturate the color by 10%, you get **52.6512, 0.2667, 0.4800**, and if you desaturate by 10%, it is **53.6510, 0.2631, 0.4484**.

Distribution



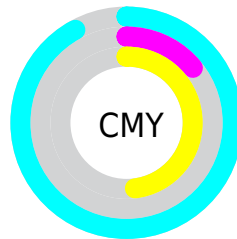
- Red (8%)
- Green (86%)
- Blue (52%)



- Red (8%)
- Yellow (58%)
- Blue (86%)



- Cyan (91%)
- Magenta (0%)
- Yellow (40%)
- Black (14%)





- Cyan (92%)
- Magenta (14%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0286, 0.2642, 0.4652 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 53.0286, 0.2642, 0.4652 by changing the saturation by 10% instead.


 53.0286, 0.2642,
0.4652


 53.0286, 0.2642,
0.4652


398.3948, 0.2906,
0.3933

 37.8256, 0.2570,
0.4842


 94.6465, 0.2743,
0.4383


 25.8474, 0.2473,
0.5090


 121.8301, 0.2779,
0.4284


 16.7095, 0.2339,
0.5428


 153.7761, 0.2809,
0.4201

 10.0276, 0.2142,
0.5910

 190.8688, 0.2835,
0.4131

 5.4172, 0.1834,
0.6633

 233.4926, 0.2857,
0.4071

 2.4941, 0.1142,
0.8780

282.0320, 0.2875,

 0.8737, 0.0000,

0.4019

1.0000

336.8713, 0.2892,
0.3974

■ 0.0000, 0.0000,
0.0000

■ 53.0286, 0.2642,
0.4652

■ 53.0286, 0.2642,
0.4652

■ 52.6512, 0.2667,
0.4800

■ 53.6510, 0.2631,
0.4484

■ 54.5503, 0.2640,
0.4313


■ 55.7656, 0.2669,
0.4142


■ 57.3281, 0.2716,
0.3977

■ 59.2649, 0.2779,
0.3819

 61.6007, 0.2853,
0.3671

 64.3577, 0.2937,
0.3535

 67.5565, 0.3026,
0.3411

 71.2164, 0.3119,
0.3299

Harmonies

Analogous

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



53.0286, 0.3512, 0.5050



53.0286, 0.2642, 0.4652



53.0286, 0.1954, 0.3652

Triad

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



53.0286, 0.2642, 0.4652



53.0286, 0.1899, 0.1919



53.0286, 0.4929, 0.3462

Complementary

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



53.0286, 0.2642, 0.4652



16.7779, 0.5016, 0.2596

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.



53.0286, 0.4371, 0.2840



53.0286, 0.2642, 0.4652



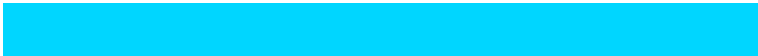
53.0286, 0.2521, 0.1999

Square

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



53.0286, 0.2642, 0.4652



53.0286, 0.1597, 0.2126



53.0286, 0.3427, 0.2324



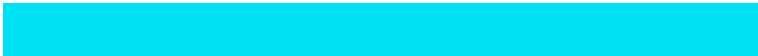
53.0286, 0.4877, 0.4125

Rectangle

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



53.0286, 0.2642, 0.4652



53.0286, 0.1683, 0.2978



53.0286, 0.3427, 0.2324



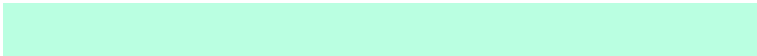
53.0286, 0.4808, 0.3248

Sweetspot

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



53.0307, 0.2642, 0.4652



87.4172, 0.2883, 0.3619



54.5537, 0.3342, 0.5671



18.4405, 0.2855, 0.3667



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.



53.0307, 0.2642, 0.4652



73.5366, 0.2670, 0.4812



51.4109, 0.2219, 0.3147



14.7289, 0.3040, 0.3394



30.9224, 0.2660, 0.4775



2.0205, 0.2586, 0.4508

Inverse Universe

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



16.7779, 0.5016, 0.2596



22.4055, 0.5281, 0.2683



16.1955, 0.6207, 0.3339



13.1451, 0.3224, 0.3189



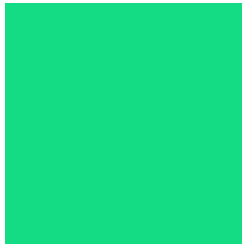
9.4436, 0.5223, 0.2651



0.6289, 0.4814, 0.2426

Previews

White Background



This preview shows how the Yxy color 53.0286, 0.2642, 0.4652 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 53.0286, 0.2642, 0.4652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

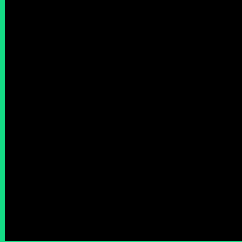
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0286, 0.2642, 0.4652

Background



This preview shows how black text looks on a background with the Yxy color 53.0286, 0.2642, 0.4652.



This preview shows how white text looks on a background with the Yxy color 53.0286, 0.2642, 0.4652.

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

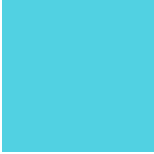
53.0286, 0.2642, 0.4652

Protanopia

52.0520, 0.3825, 0.4139

Deuteranopia

51.8275, 0.3845, 0.3769



Tritanopia

52.8412, 0.2310, 0.3058

Trichromacy



Original Color

53.0286, 0.2642, 0.4652



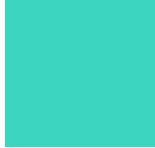
Protanomaly

49.2972, 0.3183, 0.4403



Deuteranomaly

47.8280, 0.3174, 0.4105



Tritanomaly

52.3241, 0.2412, 0.3595

Monochromacy



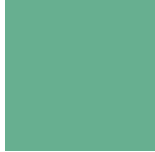
Original Color

53.0286, 0.2642, 0.4652



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.5571, 0.2779, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0286, 0.2642, 0.4652 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(20, 220, 133)` looks like.

```
.text, #text, p{  
    color:rgb(20, 220, 133)  
}
```

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(20, 220, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 220, 133) }
```

Border

The CSS property to change the border of an element to Yxy 53.0286, 0.2642, 0.4652 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(20, 220, 133) }
```

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

```
.border{ border-color:rgb(20, 220, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 220, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 220, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 220, 133);  
box-shadow:4px 4px 4px 4px rgb(20, 220,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0286, 0.2642, 0.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 220, 133) }
```

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

```
.background{ background-color: rgb(20, 220,  
133) }
```

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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