

Converting Colors

$Yxy(66.2170, 0.2531, 0.4134)$

Have a look what the booklet for
Yxy(66.2170, 0.2531, 0.4134)
contains.

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Color

Yxy(66.2032, 0.2532, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	30F0B3
RGB	48, 240, 179
RGB Percent	19%, 94%, 70%
CMY	0.8116, 0.0588, 0.2979
CMYK	0.80, 0.00, 0.25, 0.06
HSL	161°, 86%, 56%
HSV	161°, 80%, 94%
XYZ	40.5189, 66.2032, 53.3050
YIQ	175.6380, -94.8510, -59.6750

Conversions

Conversions Part 2

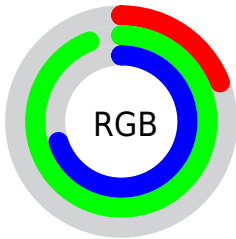
Format	Color
RYB	48, 162, 240
Decimal	3207347
CIELab	85.10, -59.47, 16.68
CIELCh	85, 61.764, 164.330
Yxy	66.2032, 0.2532, 0.4137
Android (android.graphics.Color)	4281397427 (0xFF30F0B3)
YUV	175.6380, 1.6575, -111.9385
Hunter-Lab	81.3653, -53.4987, 18.1130

Details

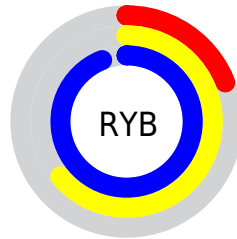
The Yxy color **66.2032, 0.2532, 0.4137** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **21.7467, 0.5092, 0.2785**, and the grayscale version is **43.2537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9538, 0.2552, 0.3523**, and **35.3733, 0.2538, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **65.4711, 0.2532, 0.4259**, and if you desaturate by 10%, it is **67.2728, 0.2552, 0.4014**.

Distribution



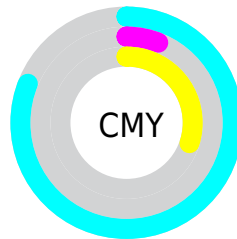
- Red (19%)
- Green (94%)
- Blue (70%)



- Red (19%)
- Yellow (64%)
- Blue (94%)



- Cyan (80%)
- Magenta (0%)
- Yellow (25%)
- Black (6%)





- Cyan (81%)
- Magenta (6%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2032, 0.2532, 0.4137 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 66.2032, 0.2532, 0.4137 by changing the saturation by 10% instead.


 66.2032, 0.2532,
0.4137


 66.2032, 0.2532,
0.4137


447.1032, 0.2821,
0.3716

 48.4374, 0.2463,
0.4241


 113.7779, 0.2635,
0.3985


 34.1734, 0.2375,
0.4373

 144.3556, 0.2674,
0.3928

 23.0268, 0.2262,
0.4546


 179.9727, 0.2708,
0.3879

 14.6133, 0.2110,
0.4784

 221.0136, 0.2737,
0.3837

 8.5485, 0.1896,
0.5129

267.8628, 0.2762,
0.3801

 4.4479, 0.1578,
0.5665

320.9045, 0.2784,

 1.9271, 0.0505,

0.3769

0.7090

380.5232, 0.2804,
0.3741

■ 0.5646, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.2032, 0.2532,
0.4137

■ 66.2032, 0.2532,
0.4137

■ 65.4711, 0.2532,
0.4259

■ 67.2728, 0.2552,
0.4014


■ 64.9934, 0.2550,
0.4379


■ 68.7169, 0.2592,
0.3893


■ 64.9927, 0.2550,
0.4380

■ 70.5759, 0.2651,
0.3775


■ 72.8827, 0.2726,
0.3663

 75.6669, 0.2814,
0.3557

 78.9556, 0.2912,
0.3460

 82.7738, 0.3018,
0.3370

 87.1446, 0.3127,
0.3290

 90.3354, 0.3179,
0.3216

Harmonies

Analogous

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



66.2032, 0.3236, 0.4655



66.2032, 0.2532, 0.4137



66.2032, 0.2026, 0.3321

Triad

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



66.2032, 0.2532, 0.4137



66.2032, 0.2246, 0.2131



66.2032, 0.4645, 0.3658

Complementary

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



66.2032, 0.2532, 0.4137



21.7467, 0.5092, 0.2785

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.



66.2032, 0.4336, 0.3101



66.2032, 0.2532, 0.4137



66.2032, 0.2864, 0.2270

Square

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



66.2032, 0.2532, 0.4137



66.2032, 0.1890, 0.2236



66.2032, 0.3645, 0.2613



66.2032, 0.4479, 0.4210

Rectangle

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



66.2032, 0.2532, 0.4137



66.2032, 0.1851, 0.2829



66.2032, 0.3645, 0.2613



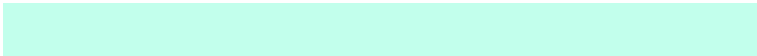
66.2032, 0.4596, 0.3469

Sweetspot

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



66.2058, 0.2532, 0.4137



88.9936, 0.2871, 0.3498



65.9808, 0.3256, 0.5598



18.7636, 0.2836, 0.3534



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.



66.2058, 0.2532, 0.4137



74.7700, 0.2542, 0.4335



52.0357, 0.2171, 0.2860



17.8385, 0.3023, 0.3366



35.6030, 0.2545, 0.4360



2.9798, 0.2500, 0.4201

Inverse Universe

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



21.7467, 0.5092, 0.2785



22.1852, 0.5633, 0.2899



24.4810, 0.5679, 0.3534



15.8416, 0.3243, 0.3215



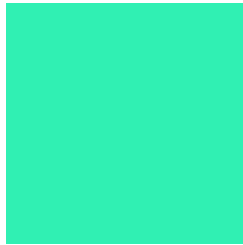
10.4497, 0.5698, 0.2913



0.8867, 0.5326, 0.2708

Previews

White Background



This preview shows how the Yxy color 66.2032, 0.2532, 0.4137 looks on a white background.

Color Contrast Check

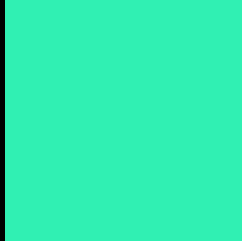
Large Text (above 18pt) WCAG AA × Fail

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 66.2032, 0.2532, 0.4137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

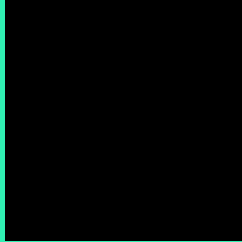
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2032, 0.2532, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 66.2032, 0.2532, 0.4137.



This preview shows how white text looks on a background with the Yxy color 66.2032, 0.2532, 0.4137.

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

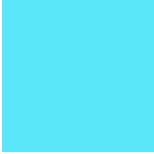
66.2032, 0.2532, 0.4137

Protanopia

64.6571, 0.3561, 0.3801

Deuteranopia

64.6505, 0.3533, 0.3465



Tritanopia

66.1152, 0.2309, 0.3066

Trichromacy



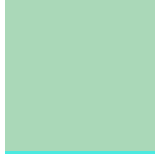
Original Color

66.2032, 0.2532, 0.4137



Protanomaly

62.0888, 0.3029, 0.3950



Deuteranomaly

61.1185, 0.3010, 0.3695



Tritanomaly

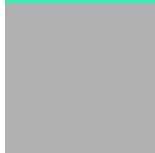
65.6833, 0.2378, 0.3418

Monochromacy



Original Color

66.2032, 0.2532, 0.4137



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.6883, 0.2769, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2032, 0.2532, 0.4137 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(48, 240, 179)` looks like.

```
.text, #text, p{  
    color:rgb(48, 240, 179)  
}
```

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(48, 240, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 240, 179) }
```

Border

The CSS property to change the border of an element to Yxy 66.2032, 0.2532, 0.4137 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(48, 240, 179) }
```

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

```
.border{ border-color:rgb(48, 240, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 240, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 240, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 240, 179);  
box-shadow:4px 4px 4px 4px rgb(48, 240,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2032, 0.2532, 0.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 240, 179) }
```

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

```
.background{ background-color: rgb(48, 240,  
179) }
```

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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