

Converting Colors

$Yxy(66.5600, 0.2653, 0.3533)$

Have a look what the booklet for
Yxy(66.5600, 0.2653, 0.3533)
contains.

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Color

Yxy(66.3651, 0.2653, 0.3529)

Conversions

Conversions Part 1

Format	Color
Hex	86E6D3
RGB	134, 230, 211
RGB Percent	53%, 90%, 83%
CMY	0.4743, 0.0981, 0.1726
CMYK	0.42, 0.00, 0.08, 0.10
HSL	168°, 66%, 71%
HSV	168°, 42%, 90%
XYZ	49.8914, 66.3651, 71.7999
YIQ	199.1300, -51.1170, -26.2610

Conversions

Conversions Part 2

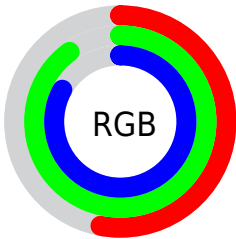
Format	Color
RYB	134, 187, 230
Decimal	8840915
CIELab	85.18, -32.80, 0.37
CIElCh	85, 32.798, 179.351
Yxy	66.3651, 0.2653, 0.3529
Android (android.graphics.Color)	4287030995 (0xFF86E6D3)
YUV	199.1300, 5.8519, -57.1190
Hunter-Lab	81.4648, -33.2449, 4.7694

Details

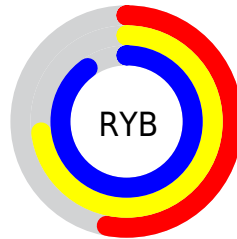
The Yxy color **66.3651, 0.2653, 0.3529** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.1908, 0.3983, 0.3073**, and the grayscale version is **57.1926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **34.2842, 0.2535, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **64.4526, 0.2570, 0.3597**, and if you desaturate by 10%, it is **68.7004, 0.2751, 0.3465**.

Distribution



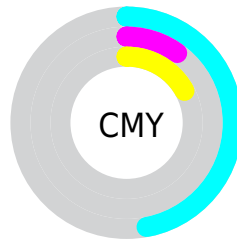
- Red (53%)
- Green (90%)
- Blue (83%)



- Red (53%)
- Yellow (73%)
- Blue (90%)



- Cyan (42%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)





- Cyan (47%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3651, 0.2653, 0.3529 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 66.3651, 0.2653, 0.3529 by changing the saturation by 10% instead.

 66.3651, 0.2653,
0.3529


 66.3651, 0.2653,
0.3529


447.6815, 0.2875,
0.3417


 48.5688, 0.2602,
0.3555

 114.0102, 0.2731,
0.3490

 34.2776, 0.2538,
0.3587


 144.6278, 0.2761,
0.3475

 23.1069, 0.2457,
0.3628


 180.2880, 0.2786,
0.3462

 14.6725, 0.2350,
0.3683

221.3752, 0.2809,
0.3450

 8.5899, 0.2203,
0.3757

268.2737, 0.2828,
0.3440

 4.4746, 0.1991,
0.3866

321.3680, 0.2846,

 1.9425, 0.1657,

0.3432

0.4038

381.0425, 0.2861,
0.3424

■ 0.5737, 0.0000,
0.4893

■ 0.0000, 0.0000,
0.0000

■ 66.3651, 0.2653,
0.3529

■ 66.3651, 0.2653,
0.3529

■ 64.4526, 0.2570,
0.3597

■ 68.7004, 0.2751,
0.3465

■ 62.9280, 0.2504,
0.3668


■ 71.4750, 0.2861,
0.3404

■ 61.7637, 0.2458,
0.3740


■ 74.7142, 0.2980,
0.3349

■ 60.9252, 0.2431,
0.3813


■ 78.4392, 0.3105,
0.3298


 60.3708, 0.2424,
0.3885

 82.6696, 0.3234,
0.3253

 60.0708, 0.2429,
0.3944

 84.0445, 0.3246,
0.3208

 84.3163, 0.3216,
0.3164

 84.5949, 0.3187,
0.3120

 84.8804, 0.3157,
0.3077

Harmonies

Analogous

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



66.3651, 0.3011, 0.3872



66.3651, 0.2653, 0.3529



66.3651, 0.2428, 0.3131

Triad

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



66.3651, 0.2653, 0.3529



66.3651, 0.2806, 0.2648



66.3651, 0.3933, 0.3696

Complementary

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



66.3651, 0.2653, 0.3529



36.1908, 0.3983, 0.3073

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.



66.3651, 0.3879, 0.3373



66.3651, 0.2653, 0.3529



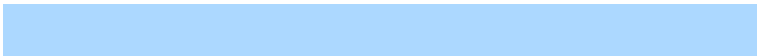
66.3651, 0.3204, 0.2793

Square

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



66.3651, 0.2653, 0.3529



66.3651, 0.2512, 0.2650



66.3651, 0.3605, 0.3051



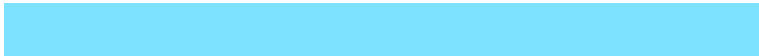
66.3651, 0.3758, 0.3943

Rectangle

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



66.3651, 0.2653, 0.3529



66.3651, 0.2375, 0.2905



66.3651, 0.3605, 0.3051



66.3651, 0.3942, 0.3593

Sweetspot

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



66.3677, 0.2653, 0.3529



93.8301, 0.2963, 0.3356



65.1111, 0.3188, 0.4533



19.8818, 0.2936, 0.3368



0.0000, 0.0000, 0.0000



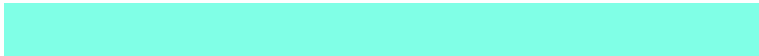
21.4041, 0.3127, 0.3290

Same Dimension

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



66.3677, 0.2653, 0.3529



81.7690, 0.2581, 0.3587



52.6599, 0.2498, 0.2920



16.2849, 0.3008, 0.3337



34.0274, 0.2426, 0.3933



2.5270, 0.2397, 0.3828

Inverse Universe

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



36.1908, 0.3983, 0.3073



38.8602, 0.4263, 0.3033



44.6828, 0.4057, 0.3625



14.4144, 0.3261, 0.3244



9.6478, 0.6074, 0.3120



0.7260, 0.5678, 0.2902

Previews

White Background



This preview shows how the Yxy color 66.3651, 0.2653, 0.3529 looks on a white background.

Color Contrast Check

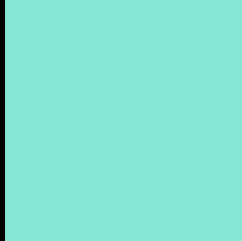
Large Text (above 18pt) WCAG AA × Fail

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 66.3651, 0.2653, 0.3529 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

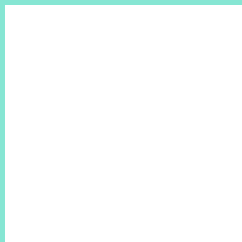
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3651, 0.2653, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 66.3651, 0.2653, 0.3529.

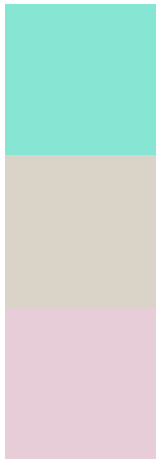


This preview shows how white text looks on a background with the Yxy color 66.3651, 0.2653, 0.3529.

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

66.3651, 0.2653, 0.3529

Protanopia

65.6641, 0.3257, 0.3414

Deuteranopia

65.4435, 0.3240, 0.3171



Tritanopia

66.1611, 0.2528, 0.3073

Trichromacy



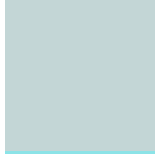
Original Color

66.3651, 0.2653, 0.3529



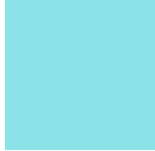
Protanomaly

65.0672, 0.3000, 0.3457



Deuteranomaly

64.5503, 0.2991, 0.3290



Tritanomaly

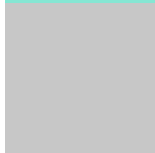
66.2831, 0.2576, 0.3240

Monochromacy



Original Color

66.3651, 0.2653, 0.3529



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.5189, 0.2921, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3651, 0.2653, 0.3529 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(134, 230, 211)` looks like.

```
.text, #text, p{  
    color:rgb(134, 230, 211)  
}
```

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(134, 230, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 230, 211) }
```

Border

The CSS property to change the border of an element to Yxy 66.3651, 0.2653, 0.3529 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(134, 230, 211) }
```

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

```
.border{ border-color:rgb(134, 230, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 230, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 230, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 230, 211);  
box-shadow:4px 4px 4px 4px rgb(134, 230,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3651, 0.2653, 0.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 230, 211) }
```

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

```
.background{ background-color: rgb(134,  
230, 211) }
```

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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