

Converting Colors

$Y_{xy}(65.7170, 0.2534, 0.3971)$

Have a look what the booklet for
Yxy(65.7170, 0.2534, 0.3971)
contains.

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Color

Yxy(65.5013, 0.2532, 0.3960)

Conversions

Conversions Part 1

Format	Color
Hex	46EDBC
RGB	70, 237, 188
RGB Percent	27%, 93%, 74%
CMY	0.7260, 0.0705, 0.2627
CMYK	0.71, 0.00, 0.21, 0.07
HSL	162°, 82%, 60%
HSV	162°, 71%, 93%
XYZ	41.8811, 65.5013, 58.0249
YIQ	181.4810, -83.8030, -50.6430

Conversions

Conversions Part 2

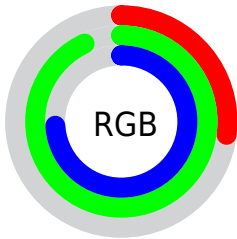
Format	Color
RYB	70, 168, 237
Decimal	4648380
CIELab	84.74, -53.75, 11.54
CIELCh	85, 54.977, 167.880
Yxy	65.5013, 0.2532, 0.3960
Android (android.graphics.Color)	4282838460 (0xFF46EDBC)
YUV	181.4810, 3.2139, -97.7688
Hunter-Lab	80.9329, -49.2624, 14.1450

Details

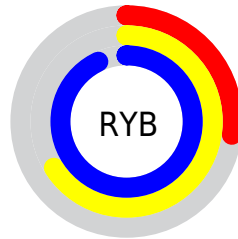
The Yxy color **65.5013, 0.2532, 0.3960** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **23.6977, 0.4815, 0.2822**, and the grayscale version is **46.4797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4549, 0.2560, 0.3414**, and **34.3918, 0.2477, 0.4116** is the 20% darker color. If you saturate the color by 10%, you get **64.4990, 0.2511, 0.4072**, and if you desaturate by 10%, it is **66.8704, 0.2573, 0.3849**.

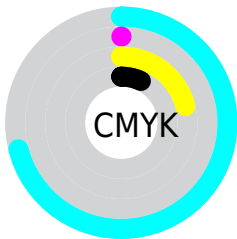
Distribution



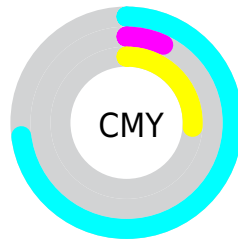
- Red (27%)
- Green (93%)
- Blue (74%)



- Red (27%)
- Yellow (66%)
- Blue (93%)



- Cyan (71%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5013, 0.2532, 0.3960 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 65.5013, 0.2532, 0.3960 by changing the saturation by 10% instead.


 65.5013, 0.2532,
0.3960


 65.5013, 0.2532,
0.3960


444.5912, 0.2817,
0.3631

 47.8677, 0.2464,
0.4040


 112.7703, 0.2633,
0.3842


 33.7221, 0.2380,
0.4142


 143.1744, 0.2672,
0.3797

 22.6802, 0.2271,
0.4275


 178.6042, 0.2705,
0.3759

 14.3575, 0.2126,
0.4456

 219.4440, 0.2733,
0.3726

 8.3698, 0.1924,
0.4717

266.0782, 0.2758,
0.3698

 4.3325, 0.1626,
0.5120

318.8912, 0.2780,

 1.8612, 0.0778,

0.3673

378.2674, 0.2800,
0.3651

0.6062

0.5249, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.5013, 0.2532,
0.3960

65.5013, 0.2532,
0.3960

64.4990, 0.2511,
0.4072

66.8704, 0.2573,
0.3849


63.8120, 0.2510,
0.4184

68.6355, 0.2633,
0.3741


63.3855, 0.2525,
0.4289


70.8313, 0.2710,
0.3638


73.4865, 0.2800,
0.3541

 76.6275, 0.2900,
0.3451

 80.2785, 0.3008,
0.3368

 84.4622, 0.3121,
0.3294

 88.3421, 0.3206,
0.3226

 88.7711, 0.3163,
0.3159

Harmonies

Analogous

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



65.5013, 0.3158, 0.4466



65.5013, 0.2532, 0.3960



65.5013, 0.2096, 0.3242

Triad

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



65.5013, 0.2532, 0.3960



65.5013, 0.2387, 0.2240



65.5013, 0.4493, 0.3701

Complementary

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



65.5013, 0.2532, 0.3960



23.6977, 0.4815, 0.2822

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.



65.5013, 0.4261, 0.3186



65.5013, 0.2532, 0.3960



65.5013, 0.2974, 0.2390

Square

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



65.5013, 0.2532, 0.3960



65.5013, 0.2029, 0.2314



65.5013, 0.3676, 0.2725



65.5013, 0.4308, 0.4190

Rectangle

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



65.5013, 0.2532, 0.3960



65.5013, 0.1953, 0.2818



65.5013, 0.3676, 0.2725



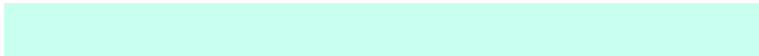
65.5013, 0.4463, 0.3528

Sweetspot

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



65.5039, 0.2532, 0.3960



90.2501, 0.2894, 0.3455



65.0090, 0.3250, 0.5399



19.0865, 0.2866, 0.3480



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.



65.5039, 0.2532, 0.3960



75.7194, 0.2508, 0.4126



50.3990, 0.2214, 0.2840



17.0423, 0.3020, 0.3360



34.6263, 0.2520, 0.4271



2.7357, 0.2477, 0.4117

Inverse Universe

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



23.6977, 0.4815, 0.2822



23.6171, 0.5361, 0.2856



28.2054, 0.5233, 0.3608



15.1267, 0.3247, 0.3221



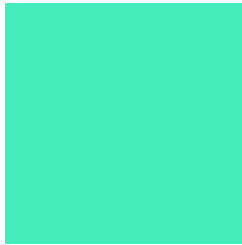
10.0874, 0.5783, 0.2960



0.8084, 0.5389, 0.2743

Previews

White Background



This preview shows how the Yxy color 65.5013, 0.2532, 0.3960 looks on a white background.

Color Contrast Check

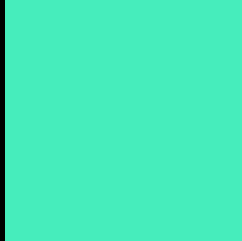
Large Text (above 18pt) WCAG AA × Fail

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 65.5013, 0.2532, 0.3960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

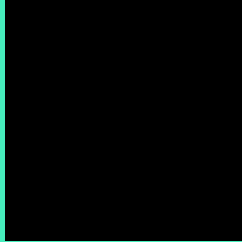
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.5013, 0.2532, 0.3960

Background



This preview shows how black text looks on a background with the Yxy color 65.5013, 0.2532, 0.3960.

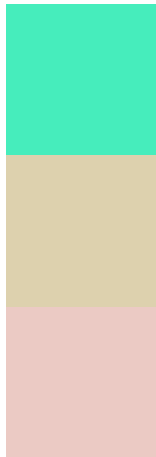


This preview shows how white text looks on a background with the Yxy color 65.5013, 0.2532, 0.3960.

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

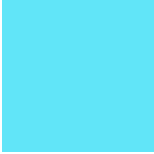
65.5013, 0.2532, 0.3960

Protanopia

64.0291, 0.3473, 0.3690

Deuteranopia

63.8887, 0.3433, 0.3356



Tritanopia

65.3573, 0.2331, 0.3053

Trichromacy



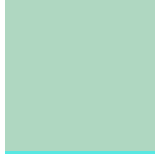
Original Color

65.5013, 0.2532, 0.3960



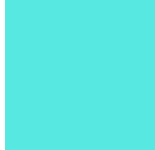
Protanomaly

62.0247, 0.3013, 0.3799



Deuteranomaly

61.5651, 0.2987, 0.3563



Tritanomaly

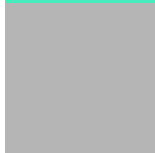
65.2304, 0.2400, 0.3365

Monochromacy



Original Color

65.5013, 0.2532, 0.3960



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.8967, 0.2805, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5013, 0.2532, 0.3960 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(70, 237, 188)` looks like.

```
.text, #text, p{  
    color:rgb(70, 237, 188)  
}
```

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(70, 237, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 237, 188) }
```

Border

The CSS property to change the border of an element to Yxy 65.5013, 0.2532, 0.3960 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(70, 237, 188) }
```

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

```
.border{ border-color:rgb(70, 237, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 237, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 237, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 237, 188);  
box-shadow:4px 4px 4px 4px rgb(70, 237,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5013, 0.2532, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 237, 188) }
```

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

```
.background{ background-color: rgb(70, 237,  
188) }
```

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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