

Converting Colors

Yxy(64.3539, 0.2631, 0.4227)

Have a look what the booklet for
Yxy(64.3539, 0.2631, 0.4227)
contains.

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Color

Yxy(64.3513, 0.2631, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	4BECA9
RGB	75, 236, 169
RGB Percent	29%, 93%, 66%
CMY	0.7060, 0.0745, 0.3373
CMYK	0.68, 0.00, 0.28, 0.07
HSL	155°, 81%, 61%
HSV	155°, 68%, 93%
XYZ	40.0540, 64.3513, 47.8334
YIQ	180.2230, -74.4490, -54.9690

Conversions

Conversions Part 2

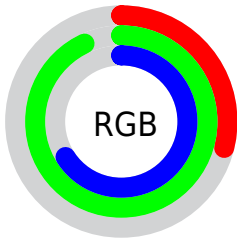
Format	Color
RYB	75, 177, 236
Decimal	4975785
CIELab	84.15, -56.81, 20.63
CIELCh	84, 60.441, 160.041
Yxy	64.3513, 0.2631, 0.4227
Android (android.graphics.Color)	4283165865 (0xFF4BECA9)
YUV	180.2230, -5.5329, -92.2806
Hunter-Lab	80.2193, -51.2575, 20.7999

Details

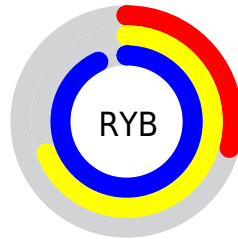
The Yxy color **64.3513, 0.2631, 0.4227** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **24.8139, 0.4421, 0.2613**, and the grayscale version is **45.8223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5645, 0.2663, 0.3653**, and **33.5246, 0.2573, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **63.2176, 0.2616, 0.4391**, and if you desaturate by 10%, it is **65.8705, 0.2666, 0.4065**.

Distribution



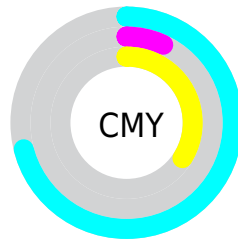
- Red (29%)
- Green (93%)
- Blue (66%)



- Red (29%)
- Yellow (69%)
- Blue (93%)



- Cyan (68%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (71%)
- Magenta (7%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3513, 0.2631, 0.4227 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 64.3513, 0.2631, 0.4227 by changing the saturation by 10% instead.


 64.3513, 0.2631,
0.4227

 64.3513, 0.2631,
0.4227


440.4571, 0.2878,
0.3756


 46.9353, 0.2570,
0.4344


 111.1167, 0.2720,
0.4056

 32.9845, 0.2492,
0.4495


 141.2349, 0.2754,
0.3992

 22.1146, 0.2390,
0.4694


 176.3559, 0.2783,
0.3937

 13.9411, 0.2249,
0.4970

 216.8641, 0.2807,
0.3891

 8.0797, 0.2046,
0.5372

263.1439, 0.2828,
0.3850

 4.1460, 0.1730,
0.6007

315.5798, 0.2847,

 1.7556, 0.0480,

0.3815

0.8279

374.5561, 0.2864,
0.3784

0.4592, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.3513, 0.2631,
0.4227

64.3513, 0.2631,
0.4227

63.2176, 0.2616,
0.4391

65.8705, 0.2666,
0.4065

62.4199, 0.2621,
0.4554


67.8031, 0.2720,
0.3907

61.9017, 0.2645,
0.4711


70.1830, 0.2788,
0.3758


61.8244, 0.2650,
0.4739


73.0386, 0.2867,
0.3619

 76.3955, 0.2955,
0.3492

 80.2779, 0.3048,
0.3376

 84.7080, 0.3144,
0.3273

 88.0061, 0.3182,
0.3178

 88.4759, 0.3136,
0.3107

Harmonies

Analogous

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



64.3513, 0.3341, 0.4666



64.3513, 0.2631, 0.4227



64.3513, 0.2093, 0.3437

Triad

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



64.3513, 0.2631, 0.4227



64.3513, 0.2188, 0.2142



64.3513, 0.4613, 0.3576

Complementary

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



64.3513, 0.2631, 0.4227



24.8139, 0.4421, 0.2613

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.



64.3513, 0.4241, 0.3029



64.3513, 0.2631, 0.4227



64.3513, 0.2766, 0.2247

Square

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



64.3513, 0.2631, 0.4227



64.3513, 0.1875, 0.2285



64.3513, 0.3527, 0.2561



64.3513, 0.4514, 0.4128

Rectangle

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



64.3513, 0.2631, 0.4227



64.3513, 0.1890, 0.2930



64.3513, 0.3527, 0.2561



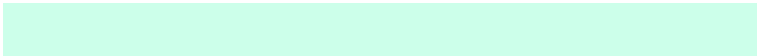
64.3513, 0.4540, 0.3389

Sweetspot

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



64.3539, 0.2631, 0.4227



90.2848, 0.2938, 0.3515



66.2598, 0.3370, 0.5263



19.0765, 0.2913, 0.3550



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.



64.3539, 0.2631, 0.4227



74.9245, 0.2615, 0.4459



60.1063, 0.2296, 0.3113



17.0097, 0.3037, 0.3390



34.1023, 0.2643, 0.4714



2.6970, 0.2582, 0.4495

Inverse Universe

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



24.8139, 0.4421, 0.2613



24.8978, 0.4845, 0.2597



25.3840, 0.5305, 0.3419



15.1581, 0.3228, 0.3192



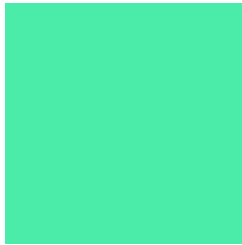
10.3427, 0.5308, 0.2698



0.8309, 0.4950, 0.2500

Previews

White Background



This preview shows how the Yxy color 64.3513, 0.2631, 0.4227 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 64.3513, 0.2631, 0.4227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

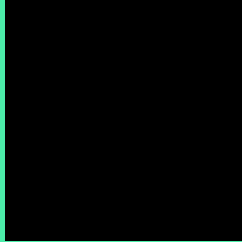
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3513, 0.2631, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 64.3513, 0.2631, 0.4227.

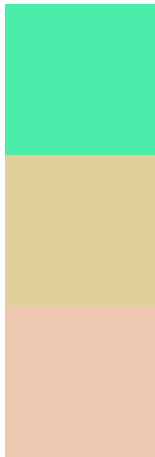


This preview shows how white text looks on a background with the Yxy color 64.3513, 0.2631, 0.4227.

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

64.3513, 0.2631, 0.4227

Protanopia

63.2000, 0.3625, 0.3884

Deuteranopia

62.8336, 0.3619, 0.3543



Tritanopia

63.9885, 0.2362, 0.3053

Trichromacy



Original Color

64.3513, 0.2631, 0.4227



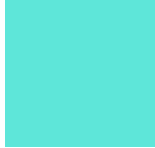
Protanomaly

61.1510, 0.3149, 0.4023



Deuteranomaly

60.2282, 0.3141, 0.3781



Tritanomaly

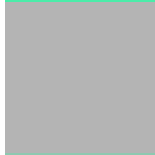
63.9831, 0.2456, 0.3458

Monochromacy



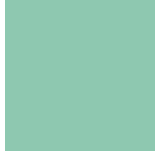
Original Color

64.3513, 0.2631, 0.4227



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.1939, 0.2862, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3513, 0.2631, 0.4227 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(75, 236, 169)` looks like.

```
.text, #text, p{  
    color:rgb(75, 236, 169)  
}
```

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(75, 236, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 236, 169) }
```

Border

The CSS property to change the border of an element to Yxy 64.3513, 0.2631, 0.4227 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(75, 236, 169) }
```

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

```
.border{ border-color:rgb(75, 236, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 236, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 236, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 236, 169);  
box-shadow:4px 4px 4px 4px rgb(75, 236,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3513, 0.2631, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 236, 169) }
```

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

```
.background{ background-color: rgb(75, 236,  
169) }
```

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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