

Converting Colors

Yxy(66.9981, 0.2506, 0.4185)

Have a look what the booklet for
Yxy(66.9981, 0.2506, 0.4185)
contains.

Yxy(66.8472, 0.2506, 0.4183)	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(66.8472, 0.2506, 0.4183)

Conversions

Conversions Part 1

Format	Color
Hex	13F2B2
RGB	19, 242, 178
RGB Percent	7%, 95%, 70%
CMY	0.9265, 0.0510, 0.3019
CMYK	0.92, 0.00, 0.26, 0.05
HSL	163°, 90%, 51%
HSV	163°, 92%, 95%
XYZ	40.0476, 66.8472, 52.9120
YIQ	168.0270, -112.3640, -67.1800

Conversions

Conversions Part 2

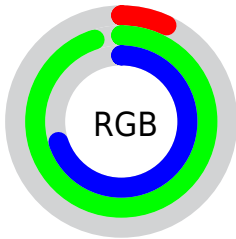
Format	Color
R_{YB}	19, 149, 242
Decimal	1307314
CIE Lab	85.43, -62.34, 17.63
CIE LCh	85, 64.787, 164.206
Yxy	66.8472, 0.2506, 0.4183
Android (android.graphics.Color)	4279497394 (0xFF13F2B2)
YUV	168.0270, 4.9167, -130.6967
Hunter-Lab	81.7601, -55.6477, 18.8619

Details

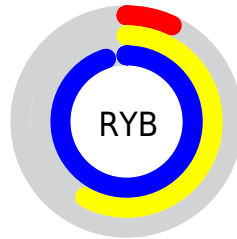
The Yxy color **66.8472, 0.2506, 0.4183** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **19.9530, 0.5621, 0.2921**, and the grayscale version is **39.1450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1735, 0.2520, 0.3538**, and **35.7616, 0.2548, 0.4371** is the 20% darker color. If you saturate the color by 10%, you get **66.5025, 0.2518, 0.4266**, and if you desaturate by 10%, it is **67.5119, 0.2504, 0.4074**.

Distribution



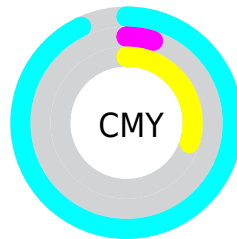
- Red (7%)
- Green (95%)
- Blue (70%)



- Red (7%)
- Yellow (58%)
- Blue (95%)



- Cyan (92%)
- Magenta (0%)
- Yellow (26%)
- Black (5%)





- Cyan (93%)
- Magenta (5%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8472, 0.2506, 0.4183 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 66.8472, 0.2506, 0.4183 by changing the saturation by 10% instead.


 66.8472, 0.2506,
0.4183

 66.8472, 0.2506,
0.4183


449.4007, 0.2808,
0.3739


 48.9605, 0.2434,
0.4292


 114.7014, 0.2613,
0.4023


 34.5881, 0.2343,
0.4432


 145.4377, 0.2654,
0.3962


 23.3458, 0.2225,
0.4615


 181.2260, 0.2689,
0.3911

 14.8490, 0.2067,
0.4866

 222.4506, 0.2720,
0.3867

 8.7135, 0.1845,
0.5228

 269.4960, 0.2746,
0.3829

 4.5548, 0.1517,
0.5790

322.7465, 0.2769,

 1.9885, 0.0373,

0.3795

0.7320

382.5866, 0.2789,
0.3766

■ 0.6008, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8472, 0.2506,
0.4183

■ 66.8472, 0.2506,
0.4183

■ 66.5025, 0.2518,
0.4266


■ 67.5119, 0.2504,
0.4074


■ 68.4978, 0.2522,
0.3964


■ 69.8554, 0.2560,
0.3855

■ 71.6245, 0.2617,
0.3749

 73.8397, 0.2692,
0.3647

 76.5318, 0.2780,
0.3551

 79.7289, 0.2880,
0.3462

 83.4568, 0.2988,
0.3380

 87.7396, 0.3101,
0.3306

Harmonies

Analogous

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



66.8472, 0.3238, 0.4725



66.8472, 0.2506, 0.4183



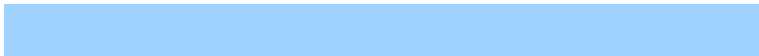
66.8472, 0.1983, 0.3322

Triad

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



66.8472, 0.2506, 0.4183



66.8472, 0.2208, 0.2087



66.8472, 0.4712, 0.3662

Complementary

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



66.8472, 0.2506, 0.4183



19.9530, 0.5621, 0.2921

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.



66.8472, 0.4388, 0.3087



66.8472, 0.2506, 0.4183



66.8472, 0.2847, 0.2230

Square

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



66.8472, 0.2506, 0.4183



66.8472, 0.1843, 0.2194



66.8472, 0.3663, 0.2584



66.8472, 0.4534, 0.4237

Rectangle

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



66.8472, 0.2506, 0.4183



66.8472, 0.1802, 0.2807



66.8472, 0.3663, 0.2584



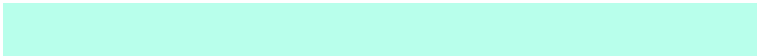
66.8472, 0.4661, 0.3466

Sweetspot

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



66.8498, 0.2506, 0.4183



87.6324, 0.2821, 0.3513



65.5105, 0.3170, 0.5820



18.4395, 0.2779, 0.3553



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

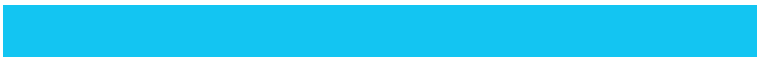
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8498, 0.2506, 0.4183



74.8938, 0.2519, 0.4269



46.6336, 0.2087, 0.2679



17.8472, 0.3019, 0.3359



35.7531, 0.2513, 0.4248



2.9914, 0.2474, 0.4106

Inverse Universe

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



19.9530, 0.5621, 0.2921



21.7422, 0.5857, 0.3000



22.5200, 0.6023, 0.3520



15.8333, 0.3248, 0.3223



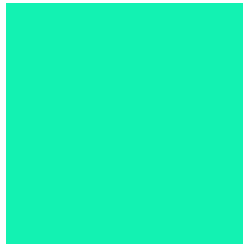
10.3946, 0.5808, 0.2973



0.8813, 0.5435, 0.2768

Previews

White Background



This preview shows how the Yxy color 66.8472, 0.2506, 0.4183 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 66.8472, 0.2506, 0.4183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

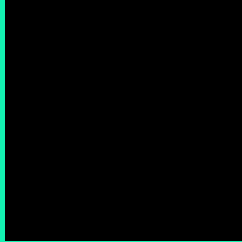
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8472, 0.2506, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 66.8472, 0.2506, 0.4183.

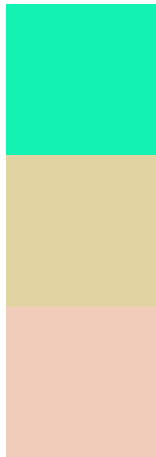


This preview shows how white text looks on a background with the Yxy color 66.8472, 0.2506, 0.4183.

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

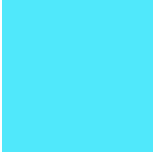
66.8571, 0.2506, 0.4183

Protanopia

65.4016, 0.3589, 0.3831

Deuteranopia

65.4317, 0.3555, 0.3485



Tritanopia

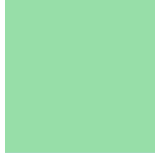
66.3837, 0.2280, 0.3053

Trichromacy



Original Color

66.8571, 0.2506, 0.4183



Protanomaly

61.6490, 0.2981, 0.4000



Deuteranomaly

61.0353, 0.2948, 0.3740



Tritanomaly

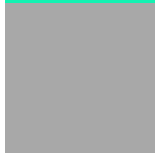
66.2723, 0.2349, 0.3445

Monochromacy



Original Color

66.8571, 0.2506, 0.4183



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.5862, 0.2701, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8472, 0.2506, 0.4183 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(19, 242, 178)` looks like.

```
.text, #text, p{  
    color:rgb(19, 242, 178)  
}
```

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(19, 242, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 242, 178) }
```

Border

The CSS property to change the border of an element to Yxy 66.8472, 0.2506, 0.4183 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(19, 242, 178) }
```

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

```
.border{ border-color:rgb(19, 242, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 242, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 242, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 242, 178);  
box-shadow:4px 4px 4px 4px rgb(19, 242,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8472, 0.2506, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 242, 178) }
```

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

```
.background{ background-color: rgb(19, 242,  
178) }
```

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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