

Converting Colors

$Yxy(66.6697, 0.2805, 0.3604)$

Have a look what the booklet for
Yxy(66.6697, 0.2805, 0.3604)
contains.

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Color

Yxy(66.7672, 0.2806, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	9BE4CB
RGB	155, 228, 203
RGB Percent	61%, 89%, 80%
CMY	0.3922, 0.1059, 0.2038
CMYK	0.32, 0.00, 0.11, 0.11
HSL	159°, 57%, 75%
HSV	159°, 32%, 89%
XYZ	52.0413, 66.7672, 66.6559
YIQ	203.3230, -35.4830, -23.2510

Conversions

Conversions Part 2

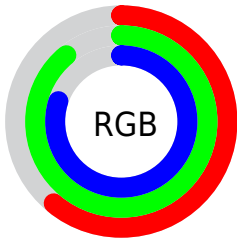
Format	Color
RYB	155, 199, 228
Decimal	10216651
CIELab	85.39, -27.96, 4.98
CIELCh	85, 28.403, 169.895
Yxy	66.7672, 0.2806, 0.3600
Android (android.graphics.Color)	4288406731 (0xFF9BE4CB)
YUV	203.3230, -0.1592, -42.3793
Hunter-Lab	81.7112, -29.3091, 8.8320

Details

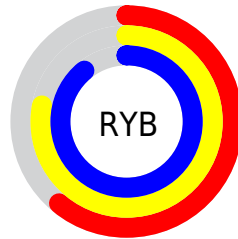
The Yxy color **66.7672, 0.2806, 0.3600** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.2304, 0.3609, 0.3003**, and the grayscale version is **59.9538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **34.4417, 0.2726, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **64.3603, 0.2723, 0.3715**, and if you desaturate by 10%, it is **69.6242, 0.2900, 0.3493**.

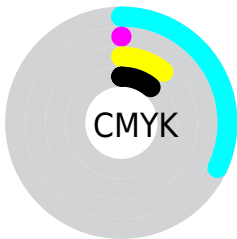
Distribution



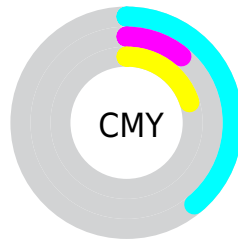
- Red (61%)
- Green (89%)
- Blue (80%)



- Red (61%)
- Yellow (78%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (39%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7672, 0.2806, 0.3600 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 66.7672, 0.2806, 0.3600 by changing the saturation by 10% instead.

 66.7672, 0.2806,
0.3600

 66.7672, 0.2806,
0.3600


449.1157, 0.2958,
0.3451

 48.8955, 0.2770,
0.3635


 114.5868, 0.2859,
0.3547

 34.5366, 0.2726,
0.3680


 145.3034, 0.2880,
0.3527

 23.3061, 0.2669,
0.3737


181.0704, 0.2898,
0.3510

 14.8197, 0.2593,
0.3814

222.2723, 0.2913,
0.3495

 8.6929, 0.2487,
0.3923

269.2933, 0.2926,
0.3482

 4.5414, 0.2330,
0.4088

322.5180, 0.2938,

 1.9808, 0.2073,

0.3471

382.3306, 0.2949,
0.3461

0.4368

0.5963, 0.0000,
0.6647

0.0000, 0.0000,
0.0000

66.7672, 0.2806,
0.3600

66.7672, 0.2806,
0.3600

64.3603, 0.2723,
0.3715

69.6242, 0.2900,
0.3493

62.3710, 0.2653,
0.3838


72.9454, 0.3000,
0.3395


60.7753, 0.2600,
0.3967


76.7546, 0.3106,
0.3307


59.5434, 0.2566,
0.4099

81.0713, 0.3213,
0.3228

 58.6409, 0.2552,
0.4231

 83.1618, 0.3223,
0.3153

 58.0267, 0.2558,
0.4363

 83.6408, 0.3172,
0.3078

 57.6904, 0.2574,
0.4466

 83.9690, 0.3139,
0.3029

Harmonies

Analogous

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



66.7672, 0.3141, 0.3850



66.7672, 0.2806, 0.3600



66.7672, 0.2565, 0.3261

Triad

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



66.7672, 0.2806, 0.3600



66.7672, 0.2756, 0.2715



66.7672, 0.3831, 0.3564

Complementary

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



66.7672, 0.2806, 0.3600



43.2304, 0.3609, 0.3003

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.



66.7672, 0.3719, 0.3275



66.7672, 0.2806, 0.3600



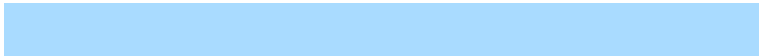
66.7672, 0.3082, 0.2803

Square

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



66.7672, 0.2806, 0.3600



66.7672, 0.2538, 0.2764



66.7672, 0.3439, 0.3003



66.7672, 0.3741, 0.3804

Rectangle

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



66.7672, 0.2806, 0.3600



66.7672, 0.2485, 0.3048



66.7672, 0.3439, 0.3003



66.7672, 0.3816, 0.3469

Sweetspot

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



66.7699, 0.2806, 0.3600



94.9310, 0.3021, 0.3377



67.6247, 0.3257, 0.4187



20.1778, 0.3006, 0.3390



0.0000, 0.0000, 0.0000



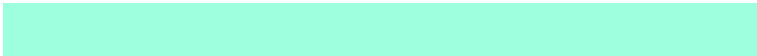
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7699, 0.2806, 0.3600



84.0646, 0.2753, 0.3671



62.2227, 0.2654, 0.3155



16.2482, 0.3027, 0.3372



33.3343, 0.2569, 0.4447



2.4806, 0.2516, 0.4257

Inverse Universe

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



43.2304, 0.3609, 0.3003



49.5209, 0.3742, 0.2946



46.1143, 0.3822, 0.3420



14.4490, 0.3239, 0.3210



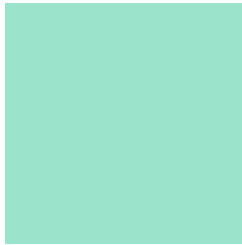
9.8621, 0.5601, 0.2859



0.7457, 0.5192, 0.2634

Previews

White Background



This preview shows how the Yxy color 66.7672, 0.2806, 0.3600 looks on a white background.

Color Contrast Check

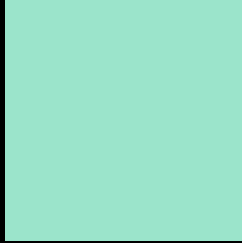
Large Text (above 18pt) WCAG AA × Fail

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 66.7672, 0.2806, 0.3600 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

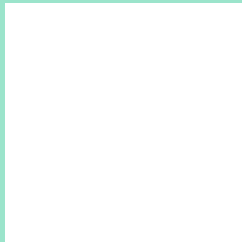
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.7672, 0.2806, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 66.7672, 0.2806, 0.3600.

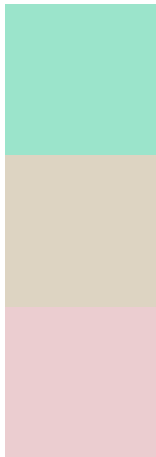


This preview shows how white text looks on a background with the Yxy color 66.7672, 0.2806, 0.3600.

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

66.7672, 0.2806, 0.3600

Protanopia

66.3542, 0.3321, 0.3493

Deuteranopia

65.8789, 0.3337, 0.3258



Tritanopia

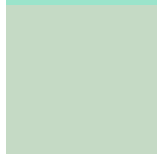
66.8532, 0.2644, 0.3089

Trichromacy



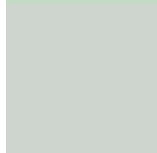
Original Color

66.7672, 0.2806, 0.3600



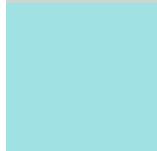
Protanomaly

66.0443, 0.3116, 0.3537



Deuteranomaly

65.1665, 0.3123, 0.3371



Tritanomaly

66.8701, 0.2699, 0.3265

Monochromacy



Original Color

66.7672, 0.2806, 0.3600



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.8379, 0.2999, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7672, 0.2806, 0.3600 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(155, 228, 203)` looks like.

```
.text, #text, p{  
    color:rgb(155, 228, 203)  
}
```

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(155, 228, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 228, 203) }
```

Border

The CSS property to change the border of an element to Yxy 66.7672, 0.2806, 0.3600 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(155, 228, 203) }
```

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

```
.border{ border-color:rgb(155, 228, 203) }
```

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

Here you see how a box with a 4 pixel rgb(155, 228, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 228, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 228, 203);  
box-shadow:4px 4px 4px 4px rgb(155, 228,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7672, 0.2806, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 228, 203) }
```

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

```
.background{ background-color: rgb(155,  
228, 203) }
```

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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