

Converting Colors

$Yxy(66.3295, 0.2840, 0.3617)$

Have a look what the booklet for
Yxy(66.3295, 0.2840, 0.3617)
contains.

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Color

Yxy(66.3774, 0.2840, 0.3625)

Conversions

Conversions Part 1

Format	Color
Hex	9EE3C8
RGB	158, 227, 200
RGB Percent	62%, 89%, 78%
CMY	0.3802, 0.1098, 0.2156
CMYK	0.30, 0.00, 0.12, 0.11
HSL	157°, 55%, 75%
HSV	157°, 30%, 89%
XYZ	52.0033, 66.3774, 64.7294
YIQ	203.2910, -32.4570, -23.0250

Conversions

Conversions Part 2

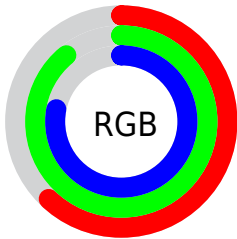
Format	Color
RYB	158, 201, 227
Decimal	10413000
CIELab	85.19, -27.21, 6.29
CIELCh	85, 27.929, 166.974
Yxy	66.3774, 0.2840, 0.3625
Android (android.graphics.Color)	4288603080 (0xFF9EE3C8)
YUV	203.2910, -1.6225, -39.7202
Hunter-Lab	81.4723, -28.6412, 9.9250

Details

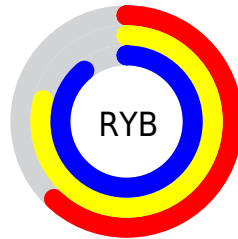
The Yxy color **66.3774, 0.2840, 0.3625** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.3020, 0.3543, 0.2980**, and the grayscale version is **59.9468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **34.1442, 0.2766, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **63.8828, 0.2760, 0.3757**, and if you desaturate by 10%, it is **69.3267, 0.2929, 0.3504**.

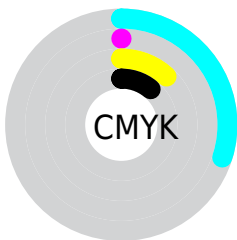
Distribution



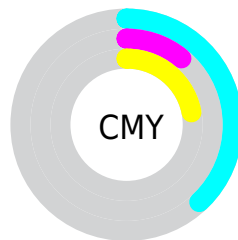
- Red (62%)
- Green (89%)
- Blue (78%)



- Red (62%)
- Yellow (79%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)



- Cyan (38%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3774, 0.2840, 0.3625 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 66.3774, 0.2840, 0.3625 by changing the saturation by 10% instead.


 66.3774, 0.2840,
0.3625


 66.3774, 0.2840,
0.3625


447.7254, 0.2977,
0.3464

 48.5788, 0.2808,
0.3663

 114.0278, 0.2888,
0.3568

 34.2855, 0.2767,
0.3712


 144.6485, 0.2907,
0.3546

 23.1130, 0.2716,
0.3775

180.3120, 0.2923,
0.3527

 14.6770, 0.2646,
0.3860

221.4026, 0.2936,
0.3511

 8.5930, 0.2549,
0.3980

268.3049, 0.2948,
0.3497

 4.4767, 0.2403,
0.4165


321.4032, 0.2959,

 1.9436, 0.2161,

0.3485

0.4481


381.0819, 0.2968,
0.3474


 0.5744, 0.0000,
0.7561


 0.0000, 0.0000,
0.0000


 66.3774, 0.2840,
0.3625


 66.3774, 0.2840,
0.3625


 63.8828, 0.2760,
0.3757


 69.3267, 0.2929,
0.3504

 61.8110, 0.2693,
0.3897


 72.7446, 0.3025,
0.3393

 60.1384, 0.2641,
0.4045


 76.6544, 0.3123,
0.3294


 58.8361, 0.2607,
0.4197


 81.0753, 0.3224,
0.3205


 57.8708, 0.2594,
0.4351

 82.7524, 0.3208,
0.3120

 57.2030, 0.2601,
0.4502

 83.3060, 0.3151,
0.3035

 56.7763, 0.2624,
0.4645

 83.4153, 0.3140,
0.3019

Harmonies

Analogous

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



66.3774, 0.3175, 0.3857



66.3774, 0.2840, 0.3625



66.3774, 0.2591, 0.3295

Triad

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



66.3774, 0.2840, 0.3625



66.3774, 0.2735, 0.2722



66.3774, 0.3818, 0.3533

Complementary

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



66.3774, 0.2840, 0.3625



44.3020, 0.3543, 0.2980

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.



66.3774, 0.3689, 0.3248



66.3774, 0.2840, 0.3625



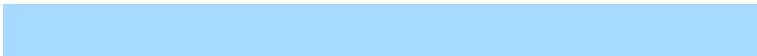
66.3774, 0.3049, 0.2796

Square

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



66.3774, 0.2840, 0.3625



66.3774, 0.2533, 0.2784



66.3774, 0.3401, 0.2984



66.3774, 0.3749, 0.3778

Rectangle

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



66.3774, 0.2840, 0.3625



66.3774, 0.2501, 0.3080



66.3774, 0.3401, 0.2984



66.3774, 0.3797, 0.3439

Sweetspot

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



66.3801, 0.2840, 0.3625



95.3394, 0.3037, 0.3379



67.7975, 0.3276, 0.4129



20.2560, 0.3023, 0.3395



0.0000, 0.0000, 0.0000



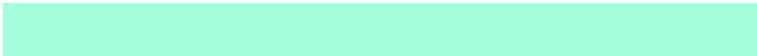
21.4041, 0.3127, 0.3290

Same Dimension

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



66.3801, 0.2840, 0.3625



84.4471, 0.2792, 0.3701



64.0580, 0.2682, 0.3205



16.2359, 0.3033, 0.3384



33.1374, 0.2617, 0.4623



2.4669, 0.2557, 0.4406

Inverse Universe

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



44.3020, 0.3543, 0.2980



51.6539, 0.3655, 0.2918



45.6884, 0.3787, 0.3373



14.4609, 0.3231, 0.3198



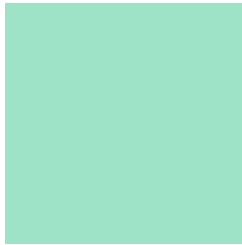
9.9641, 0.5408, 0.2753



0.7541, 0.5018, 0.2538

Previews

White Background



This preview shows how the Yxy color 66.3774, 0.2840, 0.3625 looks on a white background.

Color Contrast Check

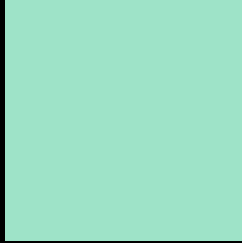
Large Text (above 18pt) WCAG AA × Fail

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 66.3774, 0.2840, 0.3625 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

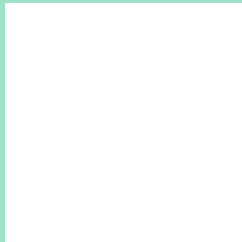
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3774, 0.2840, 0.3625

Background



This preview shows how black text looks on a background with the Yxy color 66.3774, 0.2840, 0.3625.



This preview shows how white text looks on a background with the Yxy color 66.3774, 0.2840, 0.3625.

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

66.3774, 0.2840, 0.3625

Protanopia

65.7665, 0.3337, 0.3505

Deuteranopia

65.7326, 0.3360, 0.3291



Tritanopia

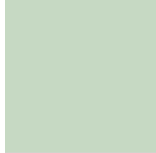
66.0519, 0.2664, 0.3078

Trichromacy



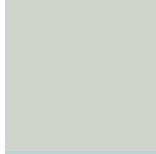
Original Color

66.3774, 0.2840, 0.3625



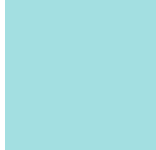
Protanomaly

65.5716, 0.3137, 0.3549



Deuteranomaly

65.1657, 0.3151, 0.3405



Tritanomaly

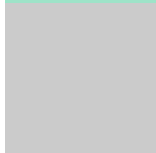
65.9981, 0.2725, 0.3265

Monochromacy



Original Color

66.3774, 0.2840, 0.3625



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.9160, 0.3013, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3774, 0.2840, 0.3625 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(158, 227, 200)` looks like.

```
.text, #text, p{  
    color:rgb(158, 227, 200)  
}
```

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(158, 227, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 227, 200) }
```

Border

The CSS property to change the border of an element to Yxy 66.3774, 0.2840, 0.3625 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(158, 227, 200) }
```

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

```
.border{ border-color:rgb(158, 227, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 227, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 227, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 227, 200);  
box-shadow:4px 4px 4px 4px rgb(158, 227,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3774, 0.2840, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 227, 200) }
```

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

```
.background{ background-color: rgb(158,  
227, 200) }
```

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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