

Converting Colors

$Yxy(66.0906, 0.2688, 0.3419)$

Have a look what the booklet for
Yxy(66.0906, 0.2688, 0.3419)
contains.

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Color

Yxy(66.0991, 0.2689, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	93E3D8
RGB	147, 227, 216
RGB Percent	58%, 89%, 85%
CMY	0.4236, 0.1098, 0.1529
CMYK	0.35, 0.00, 0.05, 0.11
HSL	172°, 59%, 73%
HSV	172°, 35%, 89%
XYZ	51.8950, 66.0991, 74.9959
YIQ	201.8260, -44.1490, -20.3810

Conversions

Conversions Part 2

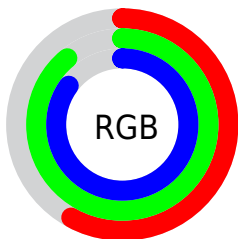
Format	Color
RYB	147, 190, 227
Decimal	9692120
CIELab	85.05, -26.88, -2.41
CIELCh	85, 26.991, 185.118
Yxy	66.0991, 0.2689, 0.3425
Android (android.graphics.Color)	4287882200 (0xFF93E3D8)
YUV	201.8260, 6.9878, -48.0824
Hunter-Lab	81.3014, -28.3400, 2.2192

Details

The Yxy color **66.0991, 0.2689, 0.3425** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.6626, 0.3850, 0.3163**, and the grayscale version is **58.9245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **33.9743, 0.2584, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **64.0466, 0.2591, 0.3470**, and if you desaturate by 10%, it is **68.5740, 0.2801, 0.3383**.

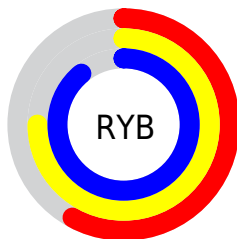
Distribution



Red (58%)

Green (89%)

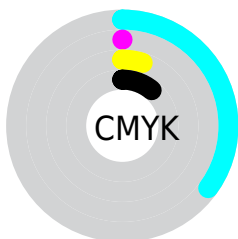
Blue (85%)



Red (58%)

Yellow (75%)

Blue (89%)

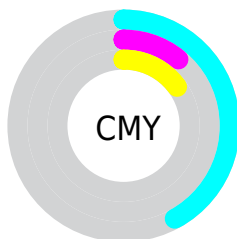


Cyan (35%)

Magenta (0%)

Yellow (5%)

Black (11%)



Cyan (42%)


Magenta (11%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.0991, 0.2689, 0.3425 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 66.0991, 0.2689, 0.3425 by changing the saturation by 10% instead.


 66.0991, 0.2689,
0.3425


 66.0991, 0.2689,
0.3425


446.7312, 0.2894,
0.3363

 48.3529, 0.2642,
0.3439


 113.6286, 0.2760,
0.3404

 34.1064, 0.2583,
0.3456


 144.1806, 0.2788,
0.3395

 22.9754, 0.2509,
0.3477


179.7699, 0.2812,
0.3388

 14.5753, 0.2411,
0.3505

220.7811, 0.2833,
0.3382

 8.5219, 0.2277,
0.3542

267.5984, 0.2851,
0.3376

 4.4307, 0.2083,
0.3593

320.6062, 0.2867,

 1.9173, 0.1778,

0.3372

0.3666

380.1891, 0.2881,
0.3367

0.5587, 0.0000,
0.4184

0.0000, 0.0000,
0.0000

66.0991, 0.2689,
0.3425

66.0991, 0.2689,
0.3425

64.0466, 0.2591,
0.3470

68.5740, 0.2801,
0.3383

62.3840, 0.2509,
0.3516

71.4859, 0.2925,
0.3344

61.0870, 0.2445,
0.3564

74.8582, 0.3056,
0.3308

60.1250, 0.2401,
0.3613

78.7105, 0.3193,
0.3275

■ 59.4626, 0.2376,
0.3662

■ 82.0055, 0.3293,
0.3245

■ 59.0562, 0.2369,
0.3710

■ 82.1839, 0.3272,
0.3214

■ 58.9188, 0.2370,
0.3733

■ 82.3655, 0.3251,
0.3184

■ 82.5503, 0.3231,
0.3153

■ 82.7383, 0.3210,
0.3123

Harmonies

Analogous

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



66.0991, 0.2972, 0.3720



66.0991, 0.2689, 0.3425



66.0991, 0.2525, 0.3106

Triad

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



66.0991, 0.2689, 0.3425



66.0991, 0.2922, 0.2768



66.0991, 0.3778, 0.3679

Complementary

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



66.0991, 0.2689, 0.3425



39.6626, 0.3850, 0.3163

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.



66.0991, 0.3769, 0.3418



66.0991, 0.2689, 0.3425



66.0991, 0.3260, 0.2910

Square

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



66.0991, 0.2689, 0.3425



66.0991, 0.2654, 0.2747



66.0991, 0.3575, 0.3143



66.0991, 0.3605, 0.3856

Rectangle

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



66.0991, 0.2689, 0.3425



66.0991, 0.2500, 0.2931



66.0991, 0.3575, 0.3143



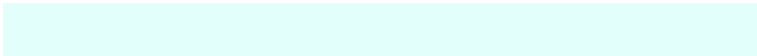
66.0991, 0.3796, 0.3598

Sweetspot

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



66.1017, 0.2689, 0.3425



94.8170, 0.2979, 0.3328



64.4174, 0.3156, 0.4323



20.1692, 0.2961, 0.3333



0.0000, 0.0000, 0.0000



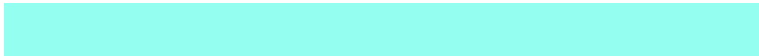
21.4041, 0.3127, 0.3290

Same Dimension

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



66.1017, 0.2689, 0.3425



84.1148, 0.2618, 0.3456



52.5944, 0.2583, 0.2933



16.3005, 0.3000, 0.3322



34.3724, 0.2368, 0.3725



2.5494, 0.2349, 0.3655

Inverse Universe

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



39.6626, 0.3850, 0.3163



45.0390, 0.4069, 0.3138



49.0950, 0.3853, 0.3618



14.4001, 0.3271, 0.3258



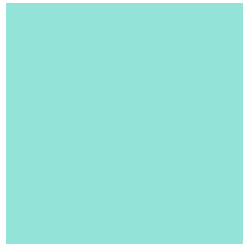
9.5924, 0.6215, 0.3197



0.7192, 0.5876, 0.3011

Previews

White Background



This preview shows how the Yxy color 66.0991, 0.2689, 0.3425 looks on a white background.

Color Contrast Check

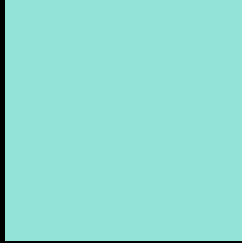
Large Text (above 18pt) WCAG AA × Fail

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 66.0991, 0.2689, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

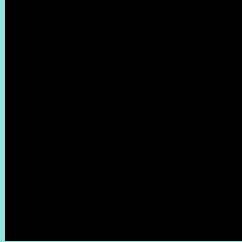
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

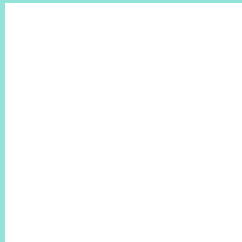
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.0991, 0.2689, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 66.0991, 0.2689, 0.3425.

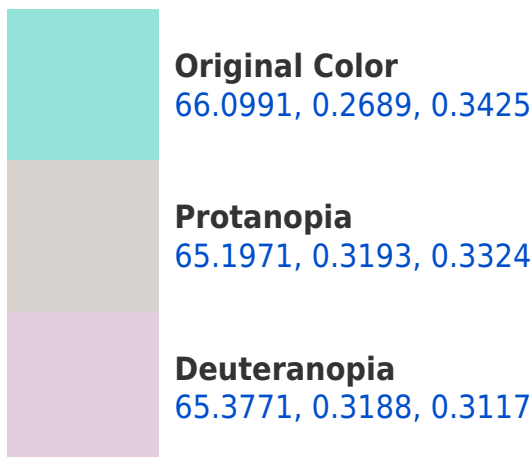


This preview shows how white text looks on a background with the Yxy color 66.0991, 0.2689, 0.3425.

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





Tritanopia

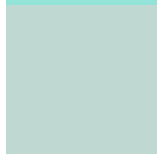
65.8985, 0.2585, 0.3075

Trichromacy



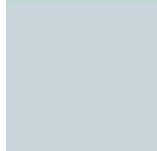
Original Color

66.0991, 0.2689, 0.3425



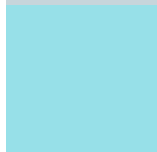
Protanomaly

64.8412, 0.2989, 0.3360



Deuteranomaly

64.8451, 0.2987, 0.3221



Tritanomaly

65.7168, 0.2622, 0.3192

Monochromacy



Original Color

66.0991, 0.2689, 0.3425



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.0386, 0.2945, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0991, 0.2689, 0.3425 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(147, 227, 216)` looks like.

```
.text, #text, p{  
    color:rgb(147, 227, 216)  
}
```

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(147, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 227, 216) }
```

Border

The CSS property to change the border of an element to Yxy 66.0991, 0.2689, 0.3425 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(147, 227, 216) }
```

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

```
.border{ border-color:rgb(147, 227, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 227, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 227, 216); box-shadow:4px 4px 4px 4px rgb(147, 227, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0991, 0.2689, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 227, 216) }
```

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

```
.background{ background-color: rgb(147,  
227, 216) }
```

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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