

Converting Colors

$Yxy(64.8718, 0.2688, 0.3223)$

Have a look what the booklet for
Yxy(64.8718, 0.2688, 0.3223)
contains.

Yxy(65.1595, 0.2690, 0.3228)	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(65.1595, 0.2690, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	9FDEE3
RGB	159, 222, 227
RGB Percent	62%, 87%, 89%
CMY	0.3761, 0.1295, 0.1097
CMYK	0.30, 0.02, 0.00, 0.11
HSL	184°, 55%, 76%
HSV	184°, 30%, 89%
XYZ	54.2996, 65.1595, 82.3981
YIQ	203.7330, -39.1530, -11.8010

Conversions

Conversions Part 2

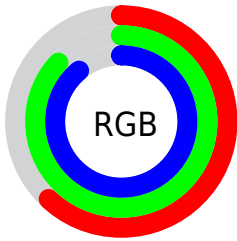
Format	Color
RYB	159, 192, 227
Decimal	10477283
CIELab	84.57, -18.59, -8.87
CIELCh	85, 20.599, 205.496
Yxy	65.1595, 0.2690, 0.3228
Android (android.graphics.Color)	4288667363 (0xFF9FDEE3)
YUV	203.7330, 11.4706, -39.2308
Hunter-Lab	80.7214, -21.1894, -4.0165

Details

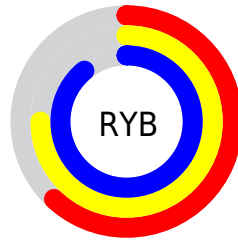
The Yxy color **65.1595, 0.2690, 0.3228** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4359, 0.3779, 0.3351**, and the grayscale version is **60.1646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **33.6192, 0.2585, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **62.1601, 0.2565, 0.3205**, and if you desaturate by 10%, it is **68.5993, 0.2828, 0.3250**.

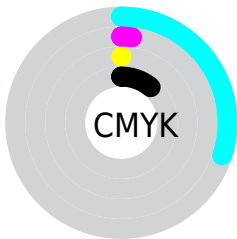
Distribution



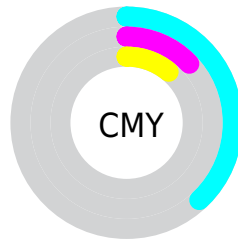
- Red (62%)
- Green (87%)
- Blue (89%)



- Red (62%)
- Yellow (75%)
- Blue (89%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)





- Cyan (38%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1595, 0.2690, 0.3228 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 65.1595, 0.2690, 0.3228 by changing the saturation by 10% instead.


 65.1595, 0.2690,
0.3228


 65.1595, 0.2690,
0.3228


443.3649, 0.2894,
0.3261

 47.5904, 0.2643,
0.3220


 112.2791, 0.2761,
0.3240

 33.5027, 0.2585,
0.3208


 142.5985, 0.2788,
0.3245

 22.5118, 0.2512,
0.3194


177.9367, 0.2812,
0.3248

 14.2334, 0.2416,
0.3173

218.6782, 0.2833,
0.3252

 8.2832, 0.2285,
0.3141

265.2074, 0.2851,
0.3254

 4.2767, 0.2096,
0.3090

317.9087, 0.2867,

 1.8295, 0.1804,

0.3257

0.2996

377.1664, 0.2881,
0.3259

0.5055, 0.0155,
0.2943

0.0000, 0.0000,
0.0000

65.1595, 0.2690,
0.3228

65.1595, 0.2690,
0.3228

62.1601, 0.2565,
0.3205

68.5993, 0.2828,
0.3250

59.5698, 0.2456,
0.3180


72.4934, 0.2975,
0.3271

57.3658, 0.2364,
0.3155


76.8643, 0.3128,
0.3290

55.5194, 0.2291,
0.3129

81.7311, 0.3286,
0.3308


 53.9981, 0.2237,
0.3104

 83.6187, 0.3320,
0.3324

 52.7631, 0.2202,
0.3079


 84.5612, 0.3318,
0.3341

 51.7478, 0.2182,
0.3054

 85.5127, 0.3316,
0.3357

 51.7398, 0.2182,
0.3054

 86.4733, 0.3314,
0.3374

 87.4430, 0.3312,
0.3390

Harmonies

Analogous

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



65.1595, 0.2853, 0.3472



65.1595, 0.2690, 0.3228



65.1595, 0.2640, 0.3015

Triad

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



65.1595, 0.2690, 0.3228



65.1595, 0.3146, 0.2950



65.1595, 0.3550, 0.3694

Complementary

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



65.1595, 0.2690, 0.3228



45.4359, 0.3779, 0.3351

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.



65.1595, 0.3639, 0.3535



65.1595, 0.2690, 0.3228



65.1595, 0.3400, 0.3114

Square

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



65.1595, 0.2690, 0.3228



65.1595, 0.2896, 0.2867



65.1595, 0.3584, 0.3324



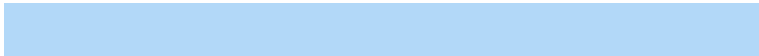
65.1595, 0.3348, 0.3748

Rectangle

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



65.1595, 0.2690, 0.3228



65.1595, 0.2676, 0.2919



65.1595, 0.3584, 0.3324



65.1595, 0.3595, 0.3650

Sweetspot

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



65.1621, 0.2690, 0.3228



94.8245, 0.2988, 0.3273



64.9939, 0.3059, 0.4104



20.1276, 0.2966, 0.3270



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.



65.1621, 0.2690, 0.3228



82.2862, 0.2610, 0.3213



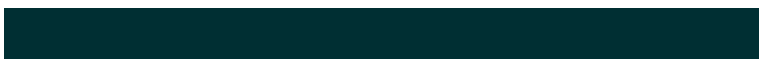
49.1198, 0.2643, 0.2805



16.1440, 0.2982, 0.3272



30.2458, 0.2183, 0.3058



2.2899, 0.2193, 0.3094

Inverse Universe

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



46.4356, 0.3204, 0.2598



54.3153, 0.3223, 0.2454



59.0378, 0.3668, 0.3730



14.5958, 0.3149, 0.3075



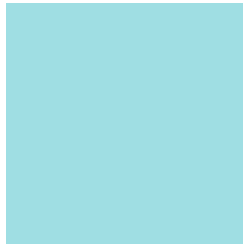
12.2510, 0.3404, 0.1649



0.9108, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 65.1595, 0.2690, 0.3228 looks on a white background.

Color Contrast Check

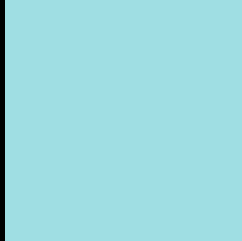
Large Text (above 18pt) WCAG AA × Fail

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 65.1595, 0.2690, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

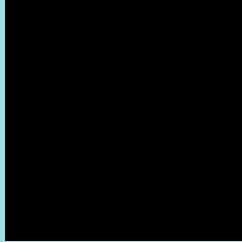
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1595, 0.2690, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 65.1595, 0.2690, 0.3228.

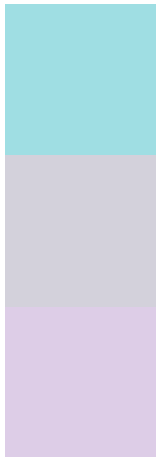


This preview shows how white text looks on a background with the Yxy color 65.1595, 0.2690, 0.3228.

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

65.1595, 0.2690, 0.3228

Protanopia

64.5643, 0.3073, 0.3177

Deuteranopia

64.8043, 0.3066, 0.3007



Tritanopia

65.0408, 0.2645, 0.3076

Trichromacy



Original Color

65.1595, 0.2690, 0.3228

Protanomaly

64.5735, 0.2919, 0.3197

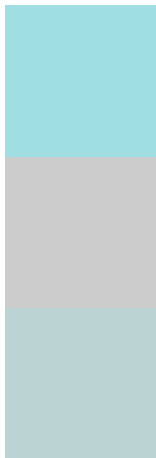
Deuteranomaly

64.3075, 0.2909, 0.3073

Tritanomaly

65.2305, 0.2662, 0.3134

Monochromacy



Original Color

65.1595, 0.2690, 0.3228

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.0334, 0.2954, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1595, 0.2690, 0.3228 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(159, 222, 227)` looks like.

```
.text, #text, p{  
    color:rgb(159, 222, 227)  
}
```

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(159, 222, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 222, 227) }
```

Border

The CSS property to change the border of an element to Yxy 65.1595, 0.2690, 0.3228 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(159, 222, 227) }
```

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

```
.border{ border-color:rgb(159, 222, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 222, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 222, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 222, 227);  
box-shadow:4px 4px 4px 4px rgb(159, 222,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1595, 0.2690, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 222, 227) }
```

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

```
.background{ background-color: rgb(159,  
222, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor