

Converting Colors

$Y_{xy}(64.4663, 0.2599, 0.3202)$

Have a look what the booklet for
Yxy(64.4663, 0.2599, 0.3202)
contains.

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Color

Yxy(64.5083, 0.2599, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	91DFE6
RGB	145, 223, 230
RGB Percent	57%, 87%, 90%
CMY	0.4314, 0.1255, 0.0981
CMYK	0.37, 0.03, 0.00, 0.10
HSL	185°, 63%, 74%
HSV	185°, 37%, 90%
XYZ	52.3438, 64.5083, 84.5476
YIQ	200.4760, -48.7350, -14.3590

Conversions

Conversions Part 2

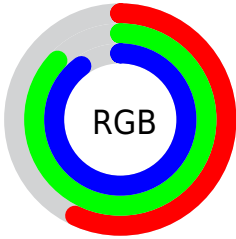
Format	Color
RYB	145, 186, 230
Decimal	9560038
CIELab	84.23, -22.19, -11.02
CIElCh	84, 24.772, 206.408
Yxy	64.5083, 0.2599, 0.3203
Android (android.graphics.Color)	4287750118 (0xFF91DFE6)
YUV	200.4760, 14.5553, -48.6525
Hunter-Lab	80.3171, -24.2239, -6.1910

Details

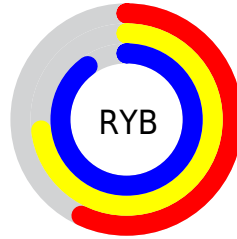
The Yxy color **64.5083, 0.2599, 0.3203** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.3104, 0.3999, 0.3374**, and the grayscale version is **57.9973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **33.2243, 0.2470, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **61.6252, 0.2484, 0.3176**, and if you desaturate by 10%, it is **67.8307, 0.2729, 0.3229**.

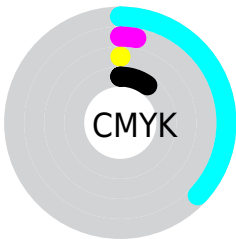
Distribution



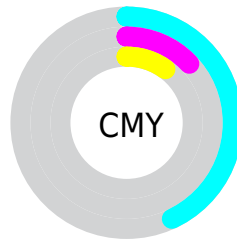
- Red (57%)
- Green (87%)
- Blue (90%)



- Red (57%)
- Yellow (73%)
- Blue (90%)



- Cyan (37%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)




- Cyan (43%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5083, 0.2599, 0.3203 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 64.5083, 0.2599, 0.3203 by changing the saturation by 10% instead.


 64.5083, 0.2599,
0.3203


 64.5083, 0.2599,
0.3203


441.0229, 0.2844,
0.3249

 47.0625, 0.2543,
0.3191


 111.3426, 0.2684,
0.3220

 33.0851, 0.2474,
0.3175


 141.5000, 0.2717,
0.3227

 22.1916, 0.2386,
0.3154


176.6633, 0.2746,
0.3232

 13.9978, 0.2272,
0.3125

217.2169, 0.2771,
0.3236

 8.1191, 0.2117,
0.3080

263.5453, 0.2792,
0.3240

 4.1713, 0.1896,
0.3008

316.0328, 0.2812,

 1.7698, 0.1561,

0.3244

0.2875

375.0639, 0.2829,
0.3247

0.4683, 0.0000,
0.2625

0.0000, 0.0000,
0.0000

64.5083, 0.2599,
0.3203

64.5083, 0.2599,
0.3203

61.6252, 0.2484,
0.3176

67.8307, 0.2729,
0.3229

59.1479, 0.2385,
0.3148

71.6082, 0.2870,
0.3253

57.0506, 0.2306,
0.3120

75.8652, 0.3020,
0.3275

55.3009, 0.2245,
0.3092

80.6221, 0.3175,
0.3296

■ 53.8610, 0.2204,
0.3063

■ 84.9417, 0.3298,
0.3315

■ 52.6821, 0.2180,
0.3036

■ 86.0137, 0.3296,
0.3333

■ 52.3511, 0.2174,
0.3027

■ 87.0972, 0.3294,
0.3352

■ 88.1922, 0.3292,
0.3370

■ 89.2987, 0.3290,
0.3389

Harmonies

Analogous

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



64.5083, 0.2788, 0.3501



64.5083, 0.2599, 0.3203



64.5083, 0.2545, 0.2950

Triad

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



64.5083, 0.2599, 0.3203



64.5083, 0.3158, 0.2888



64.5083, 0.3631, 0.3779

Complementary

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



64.5083, 0.2599, 0.3203



41.3104, 0.3999, 0.3374

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.



64.5083, 0.3745, 0.3588



64.5083, 0.2599, 0.3203



64.5083, 0.3465, 0.3085

Square

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



64.5083, 0.2599, 0.3203



64.5083, 0.2856, 0.2786



64.5083, 0.3684, 0.3335



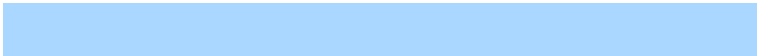
64.5083, 0.3382, 0.3845

Rectangle

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



64.5083, 0.2599, 0.3203



64.5083, 0.2590, 0.2839



64.5083, 0.3684, 0.3335



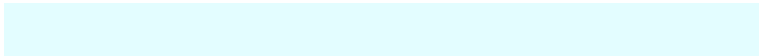
64.5083, 0.3687, 0.3726

Sweetspot

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



64.5108, 0.2599, 0.3203



93.6016, 0.2957, 0.3266



64.8297, 0.3043, 0.4334



19.8772, 0.2937, 0.3263



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.



64.5108, 0.2599, 0.3203



78.8223, 0.2513, 0.3183



45.1130, 0.2522, 0.2668



16.1232, 0.2982, 0.3270



29.7278, 0.2176, 0.3032



2.2570, 0.2187, 0.3072

Inverse Universe

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



42.3953, 0.3232, 0.2443



47.4855, 0.3256, 0.2286



57.0734, 0.3822, 0.3838



14.5937, 0.3150, 0.3077



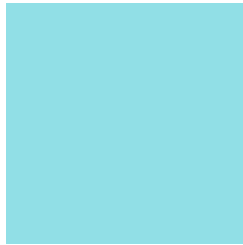
12.1988, 0.3426, 0.1661



0.9075, 0.3391, 0.1642

Previews

White Background



This preview shows how the Yxy color 64.5083, 0.2599, 0.3203 looks on a white background.

Color Contrast Check

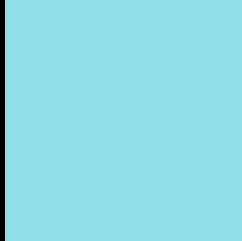
Large Text (above 18pt) WCAG AA × Fail

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 64.5083, 0.2599, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

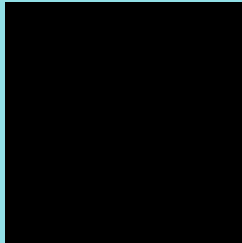
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5083, 0.2599, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 64.5083, 0.2599, 0.3203.



This preview shows how white text looks on a background with the Yxy color 64.5083, 0.2599, 0.3203.

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

64.5083, 0.2599, 0.3203

Protanopia

64.0338, 0.3053, 0.3143

Deuteranopia

64.0317, 0.3024, 0.2962



Tritanopia

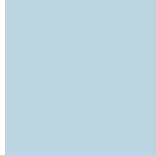
64.6776, 0.2562, 0.3084

Trichromacy



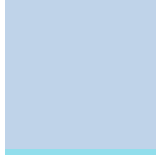
Original Color

64.5083, 0.2599, 0.3203



Protanomaly

63.4094, 0.2866, 0.3160



Deuteranomaly

63.5481, 0.2843, 0.3037



Tritanomaly

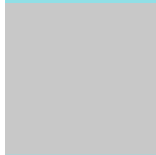
64.4097, 0.2572, 0.3119

Monochromacy



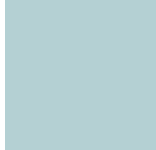
Original Color

64.5083, 0.2599, 0.3203



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.5182, 0.2904, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5083, 0.2599, 0.3203 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(145, 223, 230)` looks like.

```
.text, #text, p{  
    color:rgb(145, 223, 230)  
}
```

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(145, 223, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 223, 230) }
```

Border

The CSS property to change the border of an element to Yxy 64.5083, 0.2599, 0.3203 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(145, 223, 230) }
```

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

```
.border{ border-color:rgb(145, 223, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 223, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 223, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 223, 230);  
box-shadow:4px 4px 4px 4px rgb(145, 223,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5083, 0.2599, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 223, 230) }
```

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

```
.background{ background-color: rgb(145,  
223, 230) }
```

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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