

Converting Colors

Yxy(64.6655, 0.2597, 0.3213)

Have a look what the booklet for
Yxy(64.6655, 0.2597, 0.3213)
contains.

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Color

Yxy(64.4178, 0.2594, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	90DFE6
RGB	144, 223, 230
RGB Percent	56%, 87%, 90%
CMY	0.4353, 0.1255, 0.0981
CMYK	0.37, 0.03, 0.00, 0.10
HSL	185°, 63%, 73%
HSV	185°, 37%, 90%
XYZ	52.1698, 64.4178, 84.5295
YIQ	200.1770, -49.3310, -14.5710

Conversions

Conversions Part 2

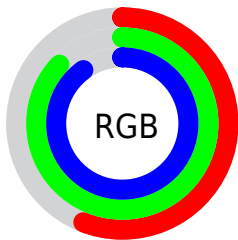
Format	Color
RYB	144, 185, 230
Decimal	9494502
CIELab	84.18, -22.44, -11.09
CIElCh	84, 25.028, 206.290
Yxy	64.4178, 0.2594, 0.3203
Android (android.graphics.Color)	4287684582 (0xFF90DFE6)
YUV	200.1770, 14.7027, -49.2672
Hunter-Lab	80.2607, -24.4305, -6.2610

Details

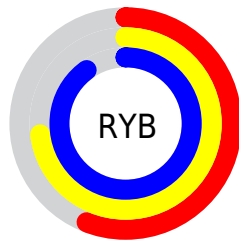
The Yxy color **64.4178, 0.2594, 0.3203** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.9590, 0.4013, 0.3374**, and the grayscale version is **57.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **33.1751, 0.2465, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **61.5649, 0.2480, 0.3176**, and if you desaturate by 10%, it is **67.7085, 0.2723, 0.3228**.

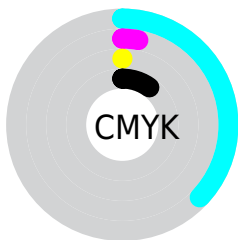
Distribution



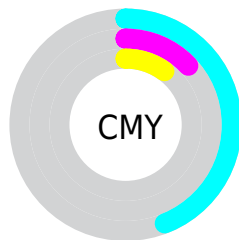
- Red (56%)
- Green (87%)
- Blue (90%)



- Red (56%)
- Yellow (73%)
- Blue (90%)



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





- Cyan (44%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4178, 0.2594, 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 64.4178, 0.2594, 0.3203 by changing the saturation by 10% instead.


 64.4178, 0.2594,
0.3203

 64.4178, 0.2594,
0.3203


440.6968, 0.2842,
0.3249

 46.9891, 0.2537,
0.3191


 111.2124, 0.2680,
0.3220

 33.0271, 0.2467,
0.3175


 141.3472, 0.2713,
0.3227

 22.1472, 0.2379,
0.3154


176.4861, 0.2742,
0.3232

 13.9651, 0.2264,
0.3124

217.0136, 0.2767,
0.3236

 8.0964, 0.2107,
0.3079

263.3140, 0.2789,
0.3240

 4.1567, 0.1884,
0.3006

315.7717, 0.2809,

 1.7616, 0.1547,

0.3244

0.2872

374.7712, 0.2826,
0.3247

0.4631, 0.0000,
0.2605

0.0000, 0.0000,
0.0000

64.4178, 0.2594,
0.3203

64.4178, 0.2594,
0.3203

61.5649, 0.2480,
0.3176

67.7085, 0.2723,
0.3228

59.1165, 0.2382,
0.3149

71.4530, 0.2864,
0.3252

57.0464, 0.2303,
0.3121

75.6758, 0.3013,
0.3275

55.3221, 0.2244,
0.3093

80.3974, 0.3168,
0.3295

■ 53.9055, 0.2204,
0.3065

■ 84.8714, 0.3298,
0.3314

■ 52.7462, 0.2180,
0.3038

■ 85.9289, 0.3296,
0.3332

■ 52.4639, 0.2175,
0.3031

■ 86.9975, 0.3294,
0.3350

■ 88.0774, 0.3292,
0.3369

■ 89.1686, 0.3290,
0.3387

Harmonies

Analogous

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



64.4178, 0.2786, 0.3505



64.4178, 0.2594, 0.3203



64.4178, 0.2539, 0.2947

Triad

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



64.4178, 0.2594, 0.3203



64.4178, 0.3157, 0.2884



64.4178, 0.3637, 0.3784

Complementary

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



64.4178, 0.2594, 0.3203



40.9590, 0.4013, 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.



64.4178, 0.3752, 0.3590



64.4178, 0.2594, 0.3203



64.4178, 0.3467, 0.3082

Square

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



64.4178, 0.2594, 0.3203



64.4178, 0.2852, 0.2781



64.4178, 0.3690, 0.3335



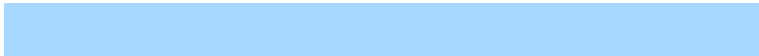
64.4178, 0.3386, 0.3852

Rectangle

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



64.4178, 0.2594, 0.3203



64.4178, 0.2584, 0.2834



64.4178, 0.3690, 0.3335



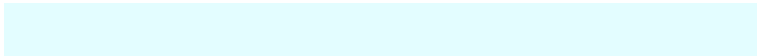
64.4178, 0.3693, 0.3730

Sweetspot

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



64.4203, 0.2594, 0.3203



93.6201, 0.2957, 0.3267



64.7045, 0.3042, 0.4348



19.8816, 0.2937, 0.3264



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.



64.4203, 0.2594, 0.3203



78.5433, 0.2503, 0.3182



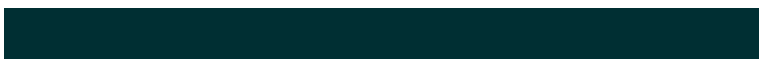
44.7954, 0.2515, 0.2660



16.1259, 0.2982, 0.3270



29.7945, 0.2176, 0.3035



2.2612, 0.2188, 0.3075

Inverse Universe

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



42.0956, 0.3232, 0.2433



46.7244, 0.3258, 0.2264



56.8507, 0.3832, 0.3844



14.5940, 0.3150, 0.3077



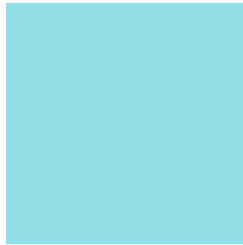
12.2055, 0.3423, 0.1660



0.9080, 0.3389, 0.1640

Previews

White Background



This preview shows how the Yxy color 64.4178, 0.2594, 0.3203 looks on a white background.

Color Contrast Check

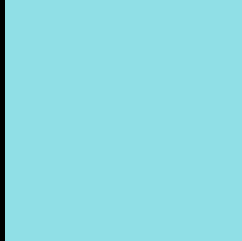
Large Text (above 18pt) WCAG AA × Fail

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 64.4178, 0.2594, 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 64.4178, 0.2594, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 64.4178, 0.2594, 0.3203.

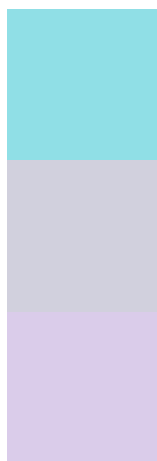


This preview shows how white text looks on a background with the Yxy color 64.4178, 0.2594, 0.3203.

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

64.4178, 0.2594, 0.3203

Protanopia

63.8875, 0.3045, 0.3143

Deuteranopia

64.0317, 0.3024, 0.2962



Tritanopia

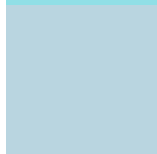
64.5855, 0.2557, 0.3084

Trichromacy



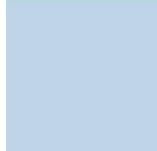
Original Color

64.4178, 0.2594, 0.3203



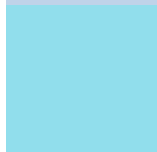
Protanomaly

63.2846, 0.2859, 0.3160



Deuteranomaly

63.5481, 0.2843, 0.3037



Tritanomaly

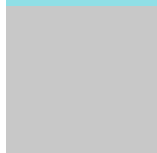
64.3184, 0.2567, 0.3119

Monochromacy



Original Color

64.4178, 0.2594, 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 64.4178, 0.2594, 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(144, 223, 230)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 223, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 223, 230) }
```

Border

The CSS property to change the border of an element to Yxy 64.4178, 0.2594, 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(144, 223, 230) }
```

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

```
.border{ border-color:rgb(144, 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(144, 223, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 223, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 223, 230);  
box-shadow:4px 4px 4px 4px rgb(144, 223,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4178, 0.2594, 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(144, 223, 230) }
```

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

```
.background{ background-color: rgb(144,  
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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