

Converting Colors

$Y_{xy}(64.6205, 0.2655, 0.3183)$

Have a look what the booklet for
Yxy(64.6205, 0.2655, 0.3183)
contains.

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Color

Yxy(64.4940, 0.2655, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	9CDDE6
RGB	156, 221, 230
RGB Percent	61%, 87%, 90%
CMY	0.3883, 0.1333, 0.0980
CMYK	0.32, 0.04, 0.00, 0.10
HSL	187°, 60%, 76%
HSV	187°, 32%, 90%
XYZ	53.8464, 64.4940, 84.4709
YIQ	202.5910, -41.6290, -10.9810

Conversions

Conversions Part 2

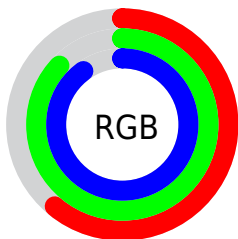
Format	Color
RYB	156, 191, 230
Decimal	10280422
CIELab	84.22, -18.27, -10.97
CIElCh	84, 21.313, 210.993
Yxy	64.4940, 0.2655, 0.3180
Android (android.graphics.Color)	4288470502 (0xFF9CDDE6)
YUV	202.5910, 13.5126, -40.8603
Hunter-Lab	80.3082, -20.8555, -6.1476

Details

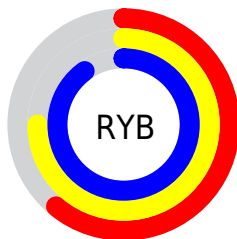
The Yxy color **64.4940, 0.2655, 0.3180** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1229, 0.3835, 0.3396**, and the grayscale version is **59.3837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **33.1343, 0.2537, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **60.9525, 0.2529, 0.3141**, and if you desaturate by 10%, it is **68.4996, 0.2793, 0.3217**.

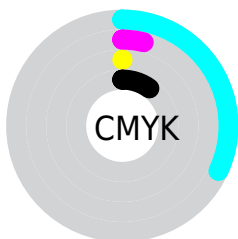
Distribution



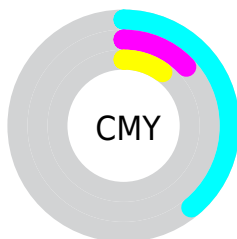
- Red (61%)
- Green (87%)
- Blue (90%)



- Red (61%)
- Yellow (75%)
- Blue (90%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)




- Cyan (39%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4940, 0.2655, 0.3180 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 64.4940, 0.2655, 0.3180 by changing the saturation by 10% instead.


 64.4940, 0.2655,
0.3180

 64.4940, 0.2655,
0.3180


440.9714, 0.2875,
0.3236

 47.0509, 0.2605,
0.3166


 111.3221, 0.2731,
0.3200

 33.0759, 0.2542,
0.3148


 141.4758, 0.2761,
0.3208

 22.1846, 0.2463,
0.3124


176.6353, 0.2787,
0.3215

 13.9926, 0.2360,
0.3091

217.1848, 0.2809,
0.3220

 8.1155, 0.2219,
0.3042

263.5087, 0.2828,
0.3225

 4.1690, 0.2018,
0.2965

315.9916, 0.2846,

 1.7685, 0.1708,

0.3229

0.2828

375.0177, 0.2861,
0.3233

0.4674, 0.0000,
0.2628

0.0000, 0.0000,
0.0000

64.4940, 0.2655,
0.3180

64.4940, 0.2655,
0.3180

60.9525, 0.2529,
0.3141

68.4996, 0.2793,
0.3217

57.8427, 0.2418,
0.3100

72.9843, 0.2940,
0.3252

55.1399, 0.2324,
0.3057

77.9719, 0.3093,
0.3283

52.8138, 0.2249,
0.3015

83.4822, 0.3249,
0.3312

■ 50.8295, 0.2194,
0.2972

■ 86.3759, 0.3295,
0.3340

■ 49.1448, 0.2157,
0.2929

■ 87.9879, 0.3292,
0.3367

■ 47.9836, 0.2138,
0.2897

■ 89.6252, 0.3289,
0.3394

■ 91.2878, 0.3286,
0.3421

■ 92.9759, 0.3283,
0.3448

Harmonies

Analogous

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



64.4940, 0.2804, 0.3434



64.4940, 0.2655, 0.3180



64.4940, 0.2627, 0.2972

Triad

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



64.4940, 0.2655, 0.3180



64.4940, 0.3197, 0.2963



64.4940, 0.3535, 0.3729

Complementary

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



64.4940, 0.2655, 0.3180



46.1229, 0.3835, 0.3396

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.



64.4940, 0.3653, 0.3580



64.4940, 0.2655, 0.3180



64.4940, 0.3453, 0.3145

Square

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



64.4940, 0.2655, 0.3180



64.4940, 0.2931, 0.2860



64.4940, 0.3623, 0.3366



64.4940, 0.3310, 0.3761

Rectangle

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



64.4940, 0.2655, 0.3180



64.4940, 0.2679, 0.2885



64.4940, 0.3623, 0.3366



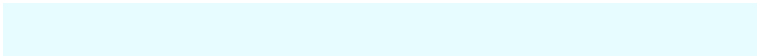
64.4940, 0.3589, 0.3690

Sweetspot

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



64.4966, 0.2655, 0.3180



93.5202, 0.2972, 0.3259



66.3615, 0.3033, 0.4128



19.8335, 0.2951, 0.3254



0.0000, 0.0000, 0.0000



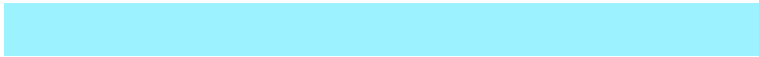
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4966, 0.2655, 0.3180



78.2970, 0.2565, 0.3153



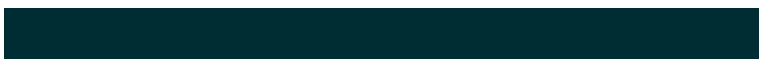
47.2082, 0.2598, 0.2713



16.0218, 0.2982, 0.3261



27.2874, 0.2140, 0.2903



2.1010, 0.2157, 0.2965

Inverse Universe

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



45.8149, 0.3241, 0.2580



51.3525, 0.3272, 0.2427



61.2880, 0.3704, 0.3805



14.5835, 0.3156, 0.3086



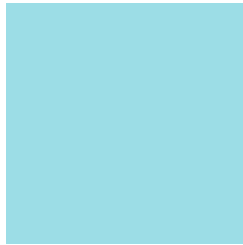
11.9524, 0.3540, 0.1724



0.8918, 0.3485, 0.1694

Previews

White Background



This preview shows how the Yxy color 64.4940, 0.2655, 0.3180 looks on a white background.

Color Contrast Check

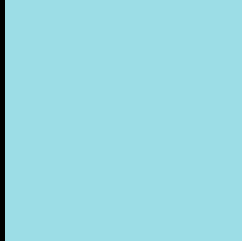
Large Text (above 18pt) WCAG AA × Fail

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 64.4940, 0.2655, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

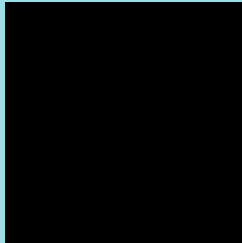
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4940, 0.2655, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 64.4940, 0.2655, 0.3180.

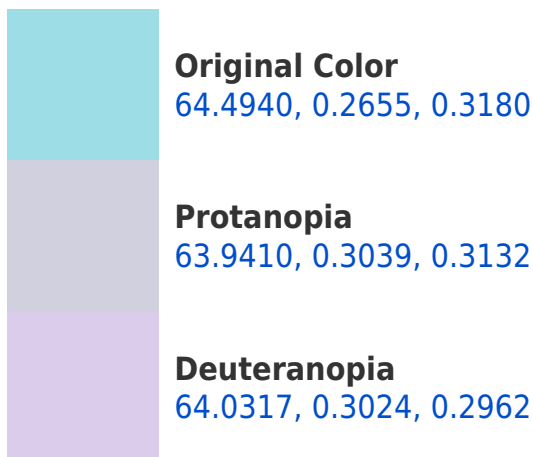


This preview shows how white text looks on a background with the Yxy color 64.4940, 0.2655, 0.3180.

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

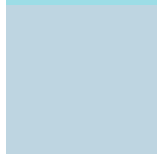
64.5699, 0.2628, 0.3086

Trichromacy



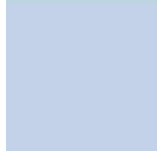
Original Color

64.4940, 0.2655, 0.3180



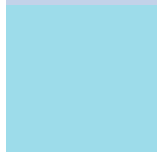
Protanomaly

63.9719, 0.2886, 0.3150



Deuteranomaly

63.5785, 0.2869, 0.3027



Tritanomaly

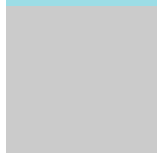
64.2950, 0.2638, 0.3121

Monochromacy



Original Color

64.4940, 0.2655, 0.3180



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.3364, 0.2934, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4940, 0.2655, 0.3180 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(156, 221, 230)` looks like.

```
.text, #text, p{  
    color:rgb(156, 221, 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(156, 221, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 221, 230) }
```

Border

The CSS property to change the border of an element to Yxy 64.4940, 0.2655, 0.3180 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(156, 221, 230) }
```

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

```
.border{ border-color:rgb(156, 221, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 221, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 221, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 221, 230);  
box-shadow:4px 4px 4px 4px rgb(156, 221,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4940, 0.2655, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 221, 230) }
```

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

```
.background{ background-color: rgb(156,  
221, 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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