

Converting Colors

$Y_{xy}(59.4263, 0.2513, 0.3035)$

Have a look what the booklet for
Yxy(59.4263, 0.2513, 0.3035)
contains.

Yxy(59.3255, 0.2510, 0.3027)	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(59.3255, 0.2510, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	88D6EB
RGB	136, 214, 235
RGB Percent	53%, 84%, 92%
CMY	0.4668, 0.1608, 0.0784
CMYK	0.42, 0.09, 0.00, 0.08
HSL	193°, 71%, 73%
HSV	193°, 42%, 92%
XYZ	49.1929, 59.3255, 87.4693
YIQ	193.0720, -53.2290, -10.0050

Conversions

Conversions Part 2

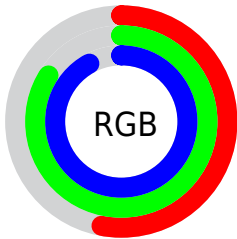
Format	Color
RYB	136, 180, 235
Decimal	8967915
CIELab	81.47, -18.69, -17.87
CIELCh	81, 25.855, 223.719
Yxy	59.3255, 0.2510, 0.3027
Android (android.graphics.Color)	4287157995 (0xFF88D6EB)
YUV	193.0720, 20.6705, -50.0521
Hunter-Lab	77.0230, -20.7863, -13.4151

Details

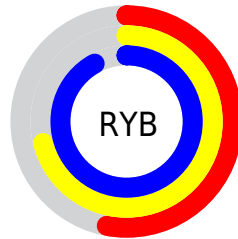
The Yxy color **59.3255, 0.2510, 0.3027** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.5491, 0.4116, 0.3531**, and the grayscale version is **53.2701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **29.7132, 0.2362, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **55.0864, 0.2388, 0.2953**, and if you desaturate by 10%, it is **64.0777, 0.2645, 0.3097**.

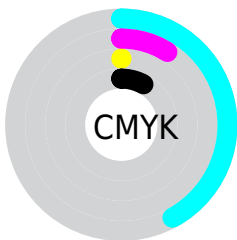
Distribution



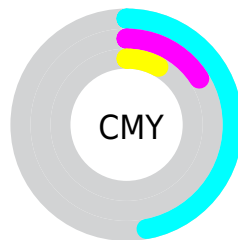
- Red (53%)
- Green (84%)
- Blue (92%)



- Red (53%)
- Yellow (71%)
- Blue (92%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)





- Cyan (47%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3255, 0.2510, 0.3027 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 59.3255, 0.2510, 0.3027 by changing the saturation by 10% instead.

 59.3255, 0.2510,
0.3027


 59.3255, 0.2510,
0.3027


422.1071, 0.2799,
0.3159

 42.8752, 0.2444,
0.2994


 103.8506, 0.2611,
0.3075

 29.7872, 0.2361,
0.2953


 132.6942, 0.2650,
0.3093

 19.6771, 0.2257,
0.2898


 166.4377, 0.2683,
0.3108

 12.1606, 0.2121,
0.2823

205.4654, 0.2713,
0.3121

 6.8531, 0.1937,
0.2716

250.1618, 0.2738,
0.3132

 3.3704, 0.1676,
0.2549

300.9113, 0.2761,

 1.3280, 0.1282,

0.3142

0.2268

358.0983, 0.2781,
0.3151

0.1628, 0.0000,
0.0976

0.0000, 0.0000,
0.0000

59.3255, 0.2510,
0.3027

59.3255, 0.2510,
0.3027

55.0864, 0.2388,
0.2953

64.0777, 0.2645,
0.3097

51.3245, 0.2282,
0.2877


69.3629, 0.2789,
0.3163

48.0093, 0.2194,
0.2799

75.2077, 0.2940,
0.3223


45.1035, 0.2126,
0.2720


81.6351, 0.3094,
0.3279

 42.5621, 0.2078,
0.2642

 88.6666, 0.3249,
0.3329

 40.7662, 0.2050,
0.2581

 91.9129, 0.3254,
0.3377

 94.9526, 0.3249,
0.3425

 98.0741, 0.3245,
0.3472

 98.7793, 0.3244,
0.3483

Harmonies

Analogous

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



59.3255, 0.2631, 0.3331



59.3255, 0.2510, 0.3027



59.3255, 0.2543, 0.2818

Triad

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



59.3255, 0.2510, 0.3027



59.3255, 0.3355, 0.2972



59.3255, 0.3526, 0.3877

Complementary

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



59.3255, 0.2510, 0.3027



43.5491, 0.4116, 0.3531

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.



59.3255, 0.3741, 0.3739



59.3255, 0.2510, 0.3027



59.3255, 0.3643, 0.3220

Square

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



59.3255, 0.2510, 0.3027



59.3255, 0.3016, 0.2800



59.3255, 0.3787, 0.3496



59.3255, 0.3210, 0.3848

Rectangle

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



59.3255, 0.2510, 0.3027



59.3255, 0.2648, 0.2752



59.3255, 0.3787, 0.3496



59.3255, 0.3613, 0.3847

Sweetspot

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



59.3278, 0.2510, 0.3027



89.8410, 0.2926, 0.3218



67.0522, 0.2962, 0.4332



18.8861, 0.2892, 0.3205



0.0000, 0.0000, 0.0000



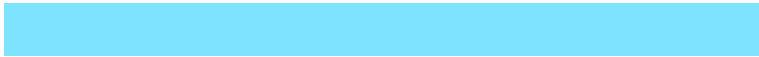
21.4041, 0.3127, 0.3290

Same Dimension

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



59.3278, 0.2510, 0.3027



66.7403, 0.2399, 0.2960



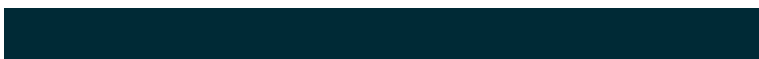
38.3881, 0.2404, 0.2383



16.5479, 0.2981, 0.3239



22.8764, 0.2054, 0.2594



1.9316, 0.2084, 0.2701

Inverse Universe

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



40.1200, 0.3371, 0.2450



41.4834, 0.3440, 0.2284



63.2504, 0.3882, 0.4050



15.2559, 0.3170, 0.3106



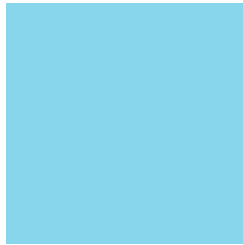
11.8022, 0.3830, 0.1884



0.9404, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 59.3255, 0.2510, 0.3027 looks on a white background.

Color Contrast Check

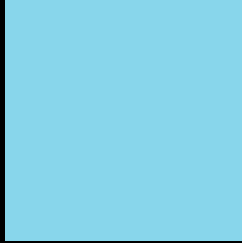
Large Text (above 18pt) WCAG AA × Fail

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 59.3255, 0.2510, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

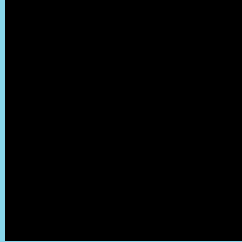
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3255, 0.2510, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 59.3255, 0.2510, 0.3027.



This preview shows how white text looks on a background with the Yxy color 59.3255, 0.2510, 0.3027.

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

59.3255, 0.2510, 0.3027

Protanopia

58.8053, 0.2931, 0.2989

Deuteranopia

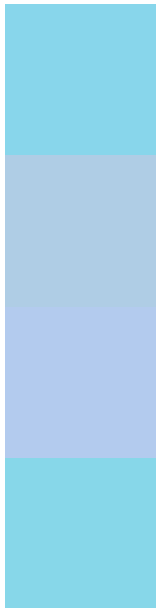
58.8610, 0.2881, 0.2818



Tritanopia

59.5780, 0.2522, 0.3076

Trichromacy



Original Color

59.3255, 0.2510, 0.3027

Protanomaly

58.4337, 0.2756, 0.3002

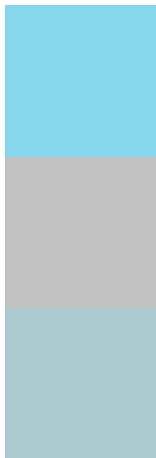
Deuteranomaly

58.4686, 0.2727, 0.2879

Tritanomaly

59.6350, 0.2517, 0.3064

Monochromacy



Original Color

59.3255, 0.2510, 0.3027

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

55.0980, 0.2864, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3255, 0.2510, 0.3027 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(136, 214, 235)` looks like.

```
.text, #text, p{  
    color:rgb(136, 214, 235)  
}
```

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(136, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 214, 235) }
```

Border

The CSS property to change the border of an element to Yxy 59.3255, 0.2510, 0.3027 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(136, 214, 235) }
```

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

```
.border{ border-color:rgb(136, 214, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 214, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 214, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 214, 235); box-shadow:4px 4px 4px 4px rgb(136, 214, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3255, 0.2510, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 214, 235) }
```

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

```
.background{ background-color: rgb(136,  
214, 235) }
```

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