

Converting Colors

$Y_{xy}(59.2918, 0.2503, 0.3124)$

Have a look what the booklet for
Yxy(59.2918, 0.2503, 0.3124)
contains.

| | |
|--|----|
| Yxy(59.3581, 0.2505, 0.3124) | 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(59.3581, 0.2505, 0.3124)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 80D8E5 |
| RGB | 128, 216, 229 |
| RGB Percent | 50%, 85%, 90% |
| CMY | 0.4980, 0.1529, 0.1021 |
| CMYK | 0.44, 0.06, 0.00, 0.10 |
| HSL | 188°, 66%, 70% |
| HSV | 188°, 44%, 90% |
| XYZ | 47.5967, 59.3581, 83.0519 |
| YIQ | 191.1700, -56.6210, -14.6130 |

Conversions

Conversions Part 2

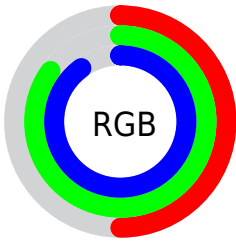
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 128, 175, 229 |
| Decimal | 8444133 |
| CIELab | 81.49, -23.15, -14.65 |
| CIELCh | 81, 27.401, 212.331 |
| Yxy | 59.3581, 0.2505, 0.3124 |
| Android (android.graphics.Color) | 4286634213 (0xFF80D8E5) |
| YUV | 191.1700, 18.6502, -55.4001 |
| Hunter-Lab | 77.0442, -24.5529, -9.9824 |

Details

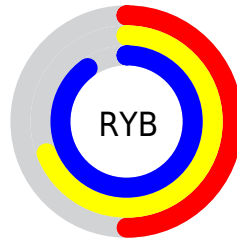
The Yxy color **59.3581, 0.2505, 0.3124** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.2494, 0.4226, 0.3444**, and the grayscale version is **52.1188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **29.8478, 0.2353, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **56.2882, 0.2396, 0.3080**, and if you desaturate by 10%, it is **62.8601, 0.2629, 0.3166**.

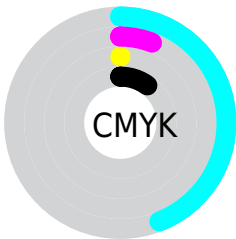
Distribution



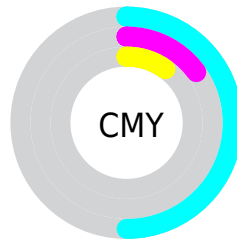
- Red (50%)
- Green (85%)
- Blue (90%)



- Red (50%)
- Yellow (69%)
- Blue (90%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (50%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3581, 0.2505, 0.3124 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 59.3581, 0.2505, 0.3124 by changing the saturation by 10% instead.

 59.3581, 0.2505,
0.3124


 59.3581, 0.2505,
0.3124


422.2277, 0.2797,
0.3210

 42.9015, 0.2438,
0.3102


 103.8979, 0.2607,
0.3156

 29.8078, 0.2355,
0.3073


 132.7499, 0.2646,
0.3168

 19.6928, 0.2249,
0.3035


 166.5025, 0.2680,
0.3178

 12.1719, 0.2111,
0.2981

205.5400, 0.2709,
0.3186

 6.8609, 0.1923,
0.2901

250.2469, 0.2735,
0.3194

 3.3752, 0.1657,
0.2772

301.0076, 0.2758,

 1.3306, 0.1232,

0.3200

0.2546

358.2064, 0.2778,
0.3206

0.1647, 0.0000,
0.1186

0.0000, 0.0000,
0.0000

59.3581, 0.2505,
0.3124

59.3581, 0.2505,
0.3124

56.2882, 0.2396,
0.3080

62.8601, 0.2629,
0.3166

53.6160, 0.2305,
0.3035

66.8122, 0.2766,
0.3206

51.3131, 0.2233,
0.2990


71.2395, 0.2912,
0.3243


49.3438, 0.2180,
0.2944

76.1633, 0.3064,
0.3277


 47.6646, 0.2146,
0.2900


 81.6036, 0.3219,
0.3308

 46.7690, 0.2132,
0.2873

 85.5565, 0.3303,
0.3337

 87.2404, 0.3300,
0.3366

 88.9521, 0.3297,
0.3394

 90.6919, 0.3293,
0.3423

Harmonies

Analogous

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



59.3581, 0.2690, 0.3464



59.3581, 0.2505, 0.3124



59.3581, 0.2477, 0.2858

Triad

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



59.3581, 0.2505, 0.3124



59.3581, 0.3232, 0.2873



59.3581, 0.3652, 0.3873

Complementary

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



59.3581, 0.2505, 0.3124



37.2494, 0.4226, 0.3444

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.



59.3581, 0.3819, 0.3674



59.3581, 0.2505, 0.3124



59.3581, 0.3572, 0.3110

Square

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



59.3581, 0.2505, 0.3124



59.3581, 0.2881, 0.2734



59.3581, 0.3791, 0.3396



59.3581, 0.3348, 0.3918

Rectangle

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



59.3581, 0.2505, 0.3124



59.3581, 0.2549, 0.2753



59.3581, 0.3791, 0.3396



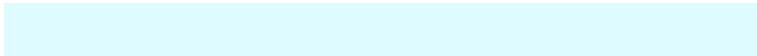
59.3581, 0.3727, 0.3821

Sweetspot

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



59.3604, 0.2505, 0.3124



91.5612, 0.2927, 0.3246



62.4965, 0.3001, 0.4505



19.3147, 0.2894, 0.3239



0.0000, 0.0000, 0.0000



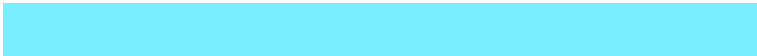
21.4041, 0.3127, 0.3290

Same Dimension

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



59.3604, 0.2505, 0.3124



72.1498, 0.2404, 0.3084



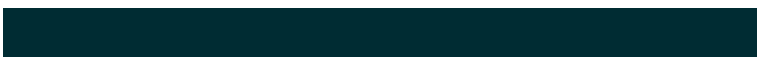
37.7742, 0.2389, 0.2452



16.0041, 0.2982, 0.3259



26.8739, 0.2134, 0.2880



2.0744, 0.2152, 0.2946

Inverse Universe

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



37.0497, 0.3300, 0.2333



40.8096, 0.3345, 0.2156



55.1523, 0.3961, 0.3996



14.5817, 0.3157, 0.3088



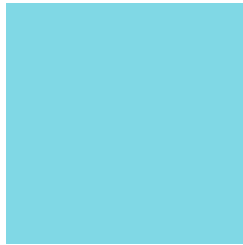
11.9106, 0.3561, 0.1735



0.8891, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 59.3581, 0.2505, 0.3124 looks on a white background.

Color Contrast Check

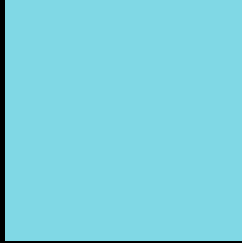
Large Text (above 18pt) WCAG AA × Fail

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 59.3581, 0.2505, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

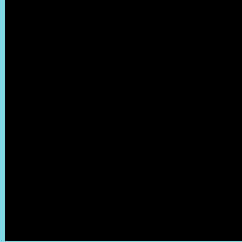
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3581, 0.2505, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 59.3581, 0.2505, 0.3124.

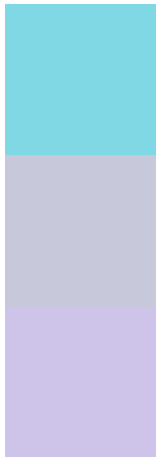


This preview shows how white text looks on a background with the Yxy color 59.3581, 0.2505, 0.3124.

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

59.3581, 0.2505, 0.3124

Protanopia

58.7024, 0.2993, 0.3069

Deuteranopia

58.4849, 0.2942, 0.2872



Tritanopia

59.1512, 0.2488, 0.3062

Trichromacy



Original Color

59.3581, 0.2505, 0.3124

Protanomaly

58.4690, 0.2787, 0.3083

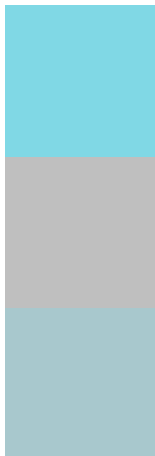
Deuteranomaly

58.0030, 0.2756, 0.2945

Tritanomaly

59.0942, 0.2493, 0.3074

Monochromacy



Original Color

59.3581, 0.2505, 0.3124

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

54.0412, 0.2855, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3581, 0.2505, 0.3124 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(128, 216, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 216, 229)  
}
```

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(128, 216, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 216, 229) }
```

Border

The CSS property to change the border of an element to Yxy 59.3581, 0.2505, 0.3124 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(128, 216, 229) }
```

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

```
.border{ border-color:rgb(128, 216, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 216, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 216, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 216, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 216,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3581, 0.2505, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 216, 229) }
```

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

```
.background{ background-color: rgb(128,  
216, 229) }
```

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