

Converting Colors

$Y_{xy}(60.1321, 0.2451, 0.3161)$

Have a look what the booklet for
Yxy(60.1321, 0.2451, 0.3161)
contains.

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Color

Yxy(59.9650, 0.2453, 0.3160)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 73DBE5 |
| RGB | 115, 219, 229 |
| RGB Percent | 45%, 86%, 90% |
| CMY | 0.5488, 0.1412, 0.1020 |
| CMYK | 0.50, 0.04, 0.00, 0.10 |
| HSL | 185°, 69%, 67% |
| HSV | 185°, 50%, 90% |
| XYZ | 46.5488, 59.9650, 83.2489 |
| YIQ | 189.0440, -65.1940, -18.9380 |

Conversions

Conversions Part 2

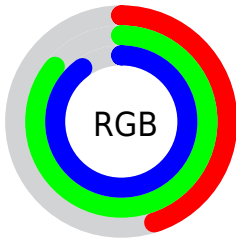
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 115, 169, 229 |
| Decimal | 7592933 |
| CIE Lab | 81.82, -27.52, -14.23 |
| CIE LCh | 82, 30.977, 207.342 |
| Yxy | 59.9650, 0.2453, 0.3160 |
| Android (android.graphics.Color) | 4285783013 (0xFF73DBE5) |
| YUV | 189.0440, 19.6983, -64.9366 |
| Hunter-Lab | 77.4371, -28.2154, -9.5339 |

Details

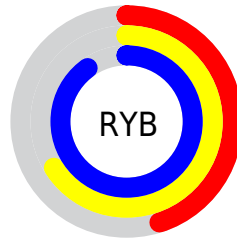
The Yxy color **59.9650, 0.2453, 0.3160** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.5773, 0.4472, 0.3408**, and the grayscale version is **50.8362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **30.3107, 0.2290, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **57.5596, 0.2359, 0.3130**, and if you desaturate by 10%, it is **62.7733, 0.2564, 0.3189**.

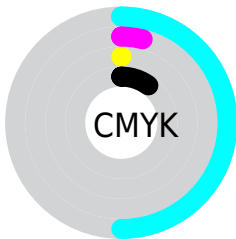
Distribution



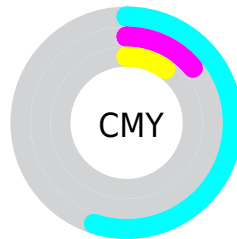
- Red (45%)
- Green (86%)
- Blue (90%)



- Red (45%)
- Yellow (66%)
- Blue (90%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)




- Cyan (55%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9650, 0.2453, 0.3160 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 59.9650, 0.2453, 0.3160 by changing the saturation by 10% instead.


 59.9650, 0.2453,
0.3160


 59.9650, 0.2453,
0.3160


424.4688, 0.2768,
0.3230

 43.3904, 0.2381,
0.3141


 104.7789, 0.2563,
0.3187

 30.1916, 0.2292,
0.3117


 133.7870, 0.2605,
0.3196

 19.9840, 0.2179,
0.3083


 167.7084, 0.2642,
0.3204

 12.3834, 0.2031,
0.3036

206.9275, 0.2674,
0.3211

 7.0054, 0.1833,
0.2964

251.8287, 0.2701,
0.3217

 3.4655, 0.1553,
0.2846

302.7964, 0.2726,

 1.3793, 0.1095,

0.3222

0.2640

360.2149, 0.2748,
0.3227

0.2014, 0.0000,
0.1401

0.0000, 0.0000,
0.0000

59.9650, 0.2453,
0.3160

59.9650, 0.2453,
0.3160

57.5596, 0.2359,
0.3130

62.7733, 0.2564,
0.3189

55.5210, 0.2284,
0.3100

66.0036, 0.2691,
0.3217

53.8183, 0.2228,
0.3069

69.6823, 0.2829,
0.3243

52.4121, 0.2191,
0.3039

73.8313, 0.2977,
0.3268

■ 51.2358, 0.2170,
0.3010

■ 78.4712, 0.3131,
0.3291

■ 51.2086, 0.2169,
0.3009

■ 83.6213, 0.3288,
0.3311

■ 85.2339, 0.3304,
0.3331

■ 86.3789, 0.3301,
0.3351

■ 87.5370, 0.3299,
0.3370

Harmonies

Analogous

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



59.9650, 0.2684, 0.3549



59.9650, 0.2453, 0.3160



59.9650, 0.2393, 0.2843

Triad

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



59.9650, 0.2453, 0.3160



59.9650, 0.3175, 0.2790



59.9650, 0.3761, 0.3917

Complementary

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



59.9650, 0.2453, 0.3160



32.5773, 0.4472, 0.3408

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.



59.9650, 0.3918, 0.3669



59.9650, 0.2453, 0.3160



59.9650, 0.3570, 0.3037

Square

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



59.9650, 0.2453, 0.3160



59.9650, 0.2790, 0.2657



59.9650, 0.3849, 0.3350



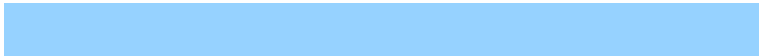
59.9650, 0.3436, 0.4007

Rectangle

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



59.9650, 0.2453, 0.3160



59.9650, 0.2453, 0.2710



59.9650, 0.3849, 0.3350



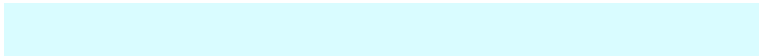
59.9650, 0.3836, 0.3847

Sweetspot

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



59.9673, 0.2453, 0.3160



91.3299, 0.2897, 0.3255



61.1560, 0.3007, 0.4743



19.3119, 0.2866, 0.3250



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.



59.9673, 0.2453, 0.3160



73.2934, 0.2354, 0.3128



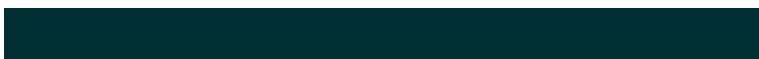
35.3328, 0.2302, 0.2376



16.1086, 0.2982, 0.3269



29.3691, 0.2170, 0.3013



2.2341, 0.2183, 0.3057

Inverse Universe

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



34.0452, 0.3281, 0.2180



37.1477, 0.3319, 0.1990



51.1569, 0.4112, 0.4042



14.5923, 0.3151, 0.3078



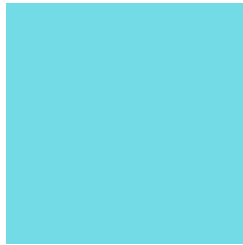
12.1625, 0.3442, 0.1670



0.9052, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 59.9650, 0.2453, 0.3160 looks on a white background.

Color Contrast Check

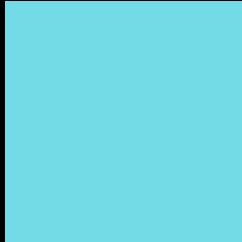
Large Text (above 18pt) WCAG AA × Fail

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 59.9650, 0.2453, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

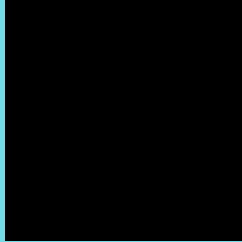
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9650, 0.2453, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 59.9650, 0.2453, 0.3160.

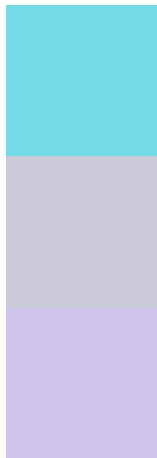


This preview shows how white text looks on a background with the Yxy color 59.9650, 0.2453, 0.3160.

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

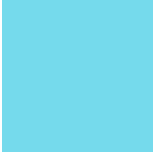
59.9650, 0.2453, 0.3160

Protanopia

59.2528, 0.3008, 0.3092

Deuteranopia

59.1384, 0.2943, 0.2874



Tritanopia

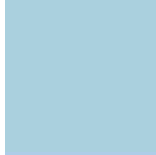
59.9808, 0.2426, 0.3061

Trichromacy



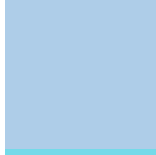
Original Color

59.9650, 0.2453, 0.3160



Protanomaly

58.9317, 0.2769, 0.3118



Deuteranomaly

58.4875, 0.2732, 0.2967



Tritanomaly

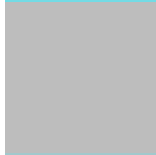
59.7390, 0.2436, 0.3097

Monochromacy



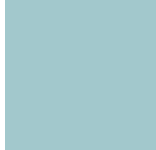
Original Color

59.9650, 0.2453, 0.3160



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.3496, 0.2819, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9650, 0.2453, 0.3160 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(115, 219, 229)` looks like.

```
.text, #text, p{  
    color:rgb(115, 219, 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(115, 219, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 219, 229) }
```

Border

The CSS property to change the border of an element to Yxy 59.9650, 0.2453, 0.3160 is called "border". The border property can be set on classes, ids or directly on the HTML element.

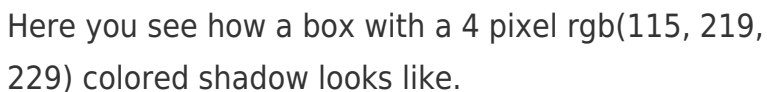
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 219, 229) }
```

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

```
.border{ border-color:rgb(115, 219, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 219, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 219, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 219, 229); box-shadow:4px 4px 4px 4px rgb(115, 219, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9650, 0.2453, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 219, 229) }
```

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

```
.background{ background-color: rgb(115,  
219, 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](#).

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