

Converting Colors

$Yxy(59.6930, 0.2365, 0.3058)$

Have a look what the booklet for
Yxy(59.6930, 0.2365, 0.3058)
contains.

Yxy(59.6022, 0.2365, 0.3058)	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(59.6022, 0.2365, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	66DBED
RGB	102, 219, 237
RGB Percent	40%, 86%, 93%
CMY	0.6001, 0.1412, 0.0705
CMYK	0.57, 0.08, 0.00, 0.07
HSL	188°, 79%, 66%
HSV	188°, 57%, 93%
XYZ	46.0952, 59.6022, 89.2084
YIQ	186.0690, -75.5100, -19.2060

Conversions

Conversions Part 2

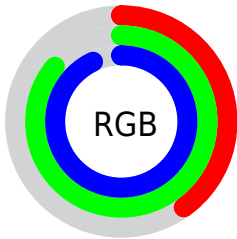
Format	Color
RYB	102, 165, 237
Decimal	6740973
CIELab	81.62, -27.95, -18.83
CIELCh	82, 33.701, 213.973
Yxy	59.6022, 0.2365, 0.3058
Android (android.graphics.Color)	4284931053 (0xFF66DBED)
YUV	186.0690, 25.1090, -73.7285
Hunter-Lab	77.2025, -28.5274, -14.4686

Details

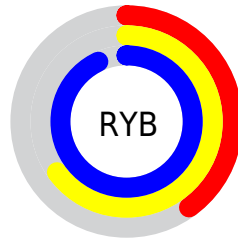
The Yxy color **59.6022, 0.2365, 0.3058** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3928, 0.4739, 0.3486**, and the grayscale version is **49.0281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **30.0693, 0.2188, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **56.7788, 0.2279, 0.3011**, and if you desaturate by 10%, it is **62.8571, 0.2470, 0.3104**.

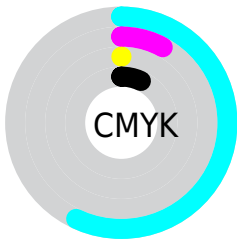
Distribution



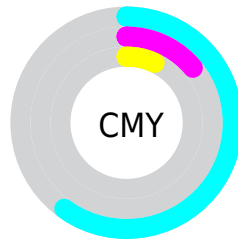
- Red (40%)
- Green (86%)
- Blue (93%)



- Red (40%)
- Yellow (65%)
- Blue (93%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (60%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6022, 0.2365, 0.3058 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 59.6022, 0.2365, 0.3058 by changing the saturation by 10% instead.


 59.6022, 0.2365,
0.3058


 59.6022, 0.2365,
0.3058


423.1299, 0.2719,
0.3179


 43.0981, 0.2284,
0.3027


 104.2524, 0.2488,
0.3103

 29.9621, 0.2185,
0.2987


 133.1673, 0.2535,
0.3119

 19.8098, 0.2061,
0.2934


 166.9878, 0.2577,
0.3133

 12.2569, 0.1900,
0.2859

206.0985, 0.2613,
0.3145

 6.9189, 0.1685,
0.2750

250.8836, 0.2644,
0.3155

 3.4114, 0.1390,
0.2579

301.7276, 0.2672,

 1.3501, 0.0919,

0.3164

0.2294

359.0150, 0.2697,
0.3172

0.1795, 0.0000,
0.0996

0.0000, 0.0000,
0.0000

59.6022, 0.2365,
0.3058

59.6022, 0.2365,
0.3058

56.7788, 0.2279,
0.3011

62.8571, 0.2470,
0.3104

54.3452, 0.2211,
0.2963

66.5676, 0.2590,
0.3148


52.2628, 0.2164,
0.2916

70.7638, 0.2724,
0.3191

50.4791, 0.2134,
0.2870

75.4712, 0.2868,
0.3230


 49.9738, 0.2127,
0.2855

 80.7134, 0.3019,
0.3266

 86.5124, 0.3174,
0.3300

 90.3650, 0.3244,
0.3330

 92.2540, 0.3241,
0.3361

 94.1757, 0.3239,
0.3392

Harmonies

Analogous

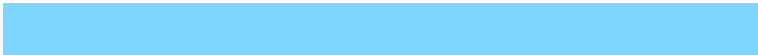
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.6022, 0.2575, 0.3478



59.6022, 0.2365, 0.3058



59.6022, 0.2344, 0.2745

Triad

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



59.6022, 0.2365, 0.3058



59.6022, 0.3277, 0.2799



59.6022, 0.3750, 0.4012

Complementary

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



59.6022, 0.2365, 0.3058



32.3928, 0.4739, 0.3486

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.



59.6022, 0.3971, 0.3767



59.6022, 0.2365, 0.3058



59.6022, 0.3693, 0.3085

Square

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



59.6022, 0.2365, 0.3058



59.6022, 0.2845, 0.2625



59.6022, 0.3954, 0.3430



59.6022, 0.3368, 0.4065

Rectangle

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



59.6022, 0.2365, 0.3058



59.6022, 0.2436, 0.2629



59.6022, 0.3954, 0.3430



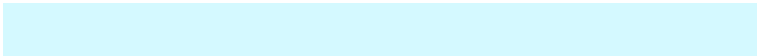
59.6022, 0.3846, 0.3946

Sweetspot

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



59.6044, 0.2365, 0.3058



89.0517, 0.2867, 0.3230



64.7567, 0.2964, 0.4902



18.8103, 0.2837, 0.3222



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.



59.6044, 0.2365, 0.3058



66.6387, 0.2269, 0.3005



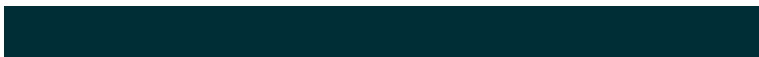
31.2269, 0.2162, 0.2115



16.7592, 0.2981, 0.3258



27.4199, 0.2129, 0.2863



2.2482, 0.2147, 0.2928

Inverse Universe

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



32.6177, 0.3371, 0.2096



33.0535, 0.3430, 0.1929



54.7183, 0.4242, 0.4205



15.2772, 0.3158, 0.3088



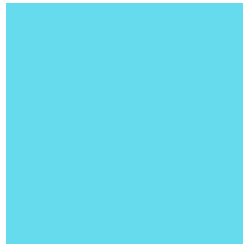
12.2609, 0.3577, 0.1744



0.9724, 0.3518, 0.1712

Previews

White Background



This preview shows how the Yxy color 59.6022, 0.2365, 0.3058 looks on a white background.

Color Contrast Check

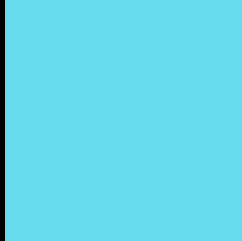
Large Text (above 18pt) WCAG AA × Fail

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 59.6022, 0.2365, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

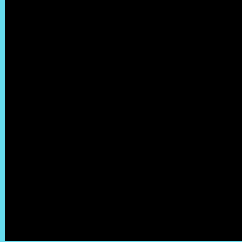
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.6022, 0.2365, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 59.6022, 0.2365, 0.3058.



This preview shows how white text looks on a background with the Yxy color 59.6022, 0.2365, 0.3058.

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

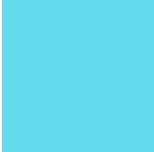
59.6022, 0.2365, 0.3058

Protanopia

58.7506, 0.2938, 0.3000

Deuteranopia

58.7608, 0.2847, 0.2785



Tritanopia

59.6022, 0.2365, 0.3058

Trichromacy



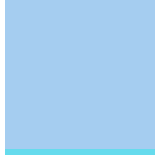
Original Color

59.6022, 0.2365, 0.3058



Protanomaly

58.0693, 0.2682, 0.3021



Deuteranomaly

57.9532, 0.2629, 0.2871



Tritanomaly

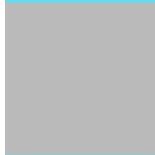
59.6022, 0.2365, 0.3058

Monochromacy



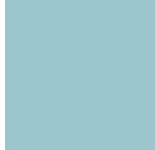
Original Color

59.6022, 0.2365, 0.3058



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.7645, 0.2763, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6022, 0.2365, 0.3058 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(102, 219, 237)` looks like.

```
.text, #text, p{  
    color:rgb(102, 219, 237)  
}
```

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(102, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 219, 237) }
```

Border

The CSS property to change the border of an element to Yxy 59.6022, 0.2365, 0.3058 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(102, 219, 237) }
```

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

```
.border{ border-color:rgb(102, 219, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 219, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(102, 219,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6022, 0.2365, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 219, 237) }
```

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

```
.background{ background-color: rgb(102,  
219, 237) }
```

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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