

Converting Colors

$Y_{xy}(59.2227, 0.2428, 0.3046)$

Have a look what the booklet for
Yxy(59.2227, 0.2428, 0.3046)
contains.

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Color

Yxy(59.0194, 0.2426, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	76D8EC
RGB	118, 216, 236
RGB Percent	46%, 85%, 93%
CMY	0.5369, 0.1530, 0.0745
CMYK	0.50, 0.08, 0.00, 0.07
HSL	190°, 76%, 69%
HSV	190°, 50%, 93%
XYZ	47.1766, 59.0194, 88.2666
YIQ	188.9780, -64.8280, -14.5560

Conversions

Conversions Part 2

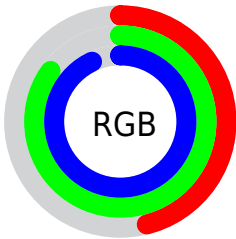
Format	Color
R _Y B	118, 172, 236
Decimal	7788780
CIE Lab	81.30, -23.52, -18.72
CIE LCh	81, 30.065, 218.515
Yxy	59.0194, 0.2426, 0.3035
Android (android.graphics.Color)	4285978860 (0xFF76D8EC)
YUV	188.9780, 23.1818, -62.2477
Hunter-Lab	76.8241, -24.8277, -14.3440

Details

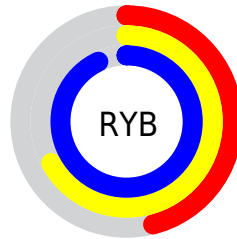
The Yxy color **59.0194, 0.2426, 0.3035** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.3517, 0.4422, 0.3516**, and the grayscale version is **50.7816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **29.5973, 0.2259, 0.2964** is the 20% darker color. If you saturate the color by 10%, you get **55.5417, 0.2322, 0.2975**, and if you desaturate by 10%, it is **62.9650, 0.2546, 0.3093**.

Distribution



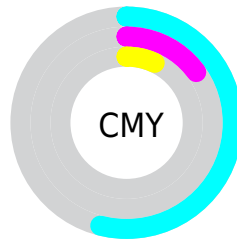
- Red (46%)
- Green (85%)
- Blue (93%)



- Red (46%)
- Yellow (67%)
- Blue (93%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (54%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0194, 0.2426, 0.3035 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 59.0194, 0.2426, 0.3035 by changing the saturation by 10% instead.


 59.0194, 0.2426,
0.3035


 59.0194, 0.2426,
0.3035


420.9738, 0.2753,
0.3165

 42.6287, 0.2351,
0.3002


 103.4059, 0.2540,
0.3083

 29.5939, 0.2259,
0.2960


 132.1704, 0.2584,
0.3100

 19.5306, 0.2142,
0.2904


 165.8285, 0.2622,
0.3116

 12.0543, 0.1991,
0.2828

204.7643, 0.2655,
0.3128

 6.7807, 0.1787,
0.2716

249.3624, 0.2684,
0.3140

 3.3253, 0.1503,
0.2541

300.0070, 0.2710,

 1.3038, 0.1061,

0.3149

0.2250

357.0827, 0.2733,
0.3158

0.1442, 0.0000,
0.0847

0.0000, 0.0000,
0.0000

59.0194, 0.2426,
0.3035

59.0194, 0.2426,
0.3035

55.5417, 0.2322,
0.2975

62.9650, 0.2546,
0.3093

52.4934, 0.2236,
0.2914


67.4004, 0.2680,
0.3148


49.8406, 0.2170,
0.2852


72.3537, 0.2823,
0.3199


47.5401, 0.2123,
0.2791

77.8491, 0.2973,
0.3247


 45.5192, 0.2092,
0.2731

 83.9090, 0.3128,
0.3290

 45.5120, 0.2092,
0.2730

 89.6531, 0.3252,
0.3330

 92.0384, 0.3248,
0.3369

 94.4760, 0.3244,
0.3407

 96.9664, 0.3241,
0.3445

Harmonies

Analogous

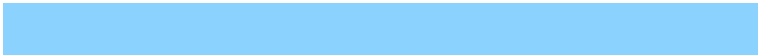
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.0194, 0.2593, 0.3401



59.0194, 0.2426, 0.3035



59.0194, 0.2433, 0.2772

Triad

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



59.0194, 0.2426, 0.3035



59.0194, 0.3323, 0.2881



59.0194, 0.3643, 0.3957

Complementary

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



59.0194, 0.2426, 0.3035



37.3517, 0.4422, 0.3516

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.



59.0194, 0.3866, 0.3763



59.0194, 0.2426, 0.3035



59.0194, 0.3680, 0.3153

Square

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



59.0194, 0.2426, 0.3035



59.0194, 0.2930, 0.2704



59.0194, 0.3883, 0.3469



59.0194, 0.3288, 0.3967

Rectangle

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



59.0194, 0.2426, 0.3035



59.0194, 0.2534, 0.2681



59.0194, 0.3883, 0.3469



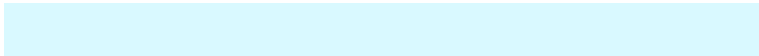
59.0194, 0.3736, 0.3909

Sweetspot

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



59.0216, 0.2426, 0.3035



89.3806, 0.2896, 0.3223



65.6804, 0.2958, 0.4621



18.8378, 0.2864, 0.3213



0.0000, 0.0000, 0.0000



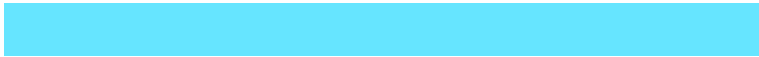
21.4041, 0.3127, 0.3290

Same Dimension

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



59.0216, 0.2426, 0.3035



66.0994, 0.2319, 0.2973



34.1626, 0.2271, 0.2232



16.6613, 0.2981, 0.3249



25.2524, 0.2095, 0.2740



2.0980, 0.2118, 0.2824

Inverse Universe

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



35.7697, 0.3378, 0.2260



36.4215, 0.3445, 0.2086



58.9413, 0.4062, 0.4145



15.2673, 0.3164, 0.3097



12.0421, 0.3690, 0.1807



0.9572, 0.3612, 0.1764

Previews

White Background



This preview shows how the Yxy color 59.0194, 0.2426, 0.3035 looks on a white background.

Color Contrast Check

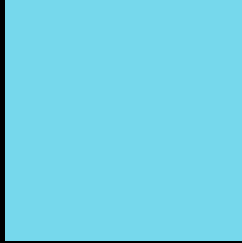
Large Text (above 18pt) WCAG AA × Fail

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 59.0194, 0.2426, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

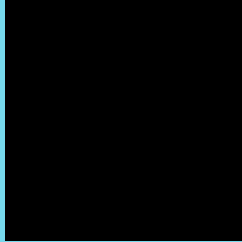
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0194, 0.2426, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 59.0194, 0.2426, 0.3035.



This preview shows how white text looks on a background with the Yxy color 59.0194, 0.2426, 0.3035.

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

59.0194, 0.2426, 0.3035

Protanopia

58.1534, 0.2930, 0.2988

Deuteranopia

58.1886, 0.2859, 0.2794



Tritanopia

58.8342, 0.2431, 0.3059

Trichromacy



Original Color

59.0194, 0.2426, 0.3035

Protanomaly

57.6446, 0.2711, 0.2998

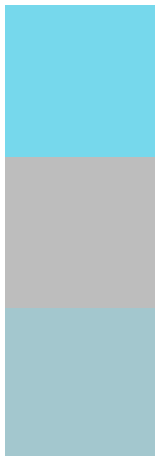
Deuteranomaly

57.6018, 0.2669, 0.2862

Tritanomaly

58.8918, 0.2426, 0.3047

Monochromacy



Original Color

59.0194, 0.2426, 0.3035

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

53.0896, 0.2812, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0194, 0.2426, 0.3035 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(118, 216, 236)` looks like.

```
.text, #text, p{  
    color:rgb(118, 216, 236)  
}
```

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(118, 216, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 216, 236) }
```

Border

The CSS property to change the border of an element to Yxy 59.0194, 0.2426, 0.3035 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(118, 216, 236) }
```

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

```
.border{ border-color:rgb(118, 216, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 216, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 216, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 216, 236); box-shadow:4px 4px 4px 4px rgb(118, 216, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0194, 0.2426, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 216, 236) }
```

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

```
.background{ background-color: rgb(118,  
216, 236) }
```

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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