

Converting Colors

$Y_{xy}(58.7821, 0.2422, 0.3019)$

Have a look what the booklet for
Yxy(58.7821, 0.2422, 0.3019)
contains.

Yxy(58.5669, 0.2419, 0.3010)	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(58.5669, 0.2419, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	76D7ED
RGB	118, 215, 237
RGB Percent	46%, 84%, 93%
CMY	0.5368, 0.1569, 0.0706
CMYK	0.50, 0.09, 0.00, 0.07
HSL	191°, 77%, 70%
HSV	191°, 50%, 93%
XYZ	47.0676, 58.5669, 88.9400
YIQ	188.5050, -64.8740, -13.7220

Conversions

Conversions Part 2

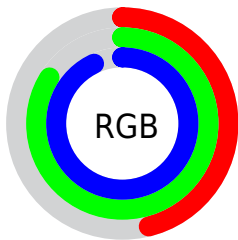
Format	Color
RYB	118, 171, 237
Decimal	7788525
CIELab	81.05, -22.75, -19.62
CIELCh	81, 30.048, 220.776
Yxy	58.5669, 0.2419, 0.3010
Android (android.graphics.Color)	4285978605 (0xFF76D7ED)
YUV	188.5050, 23.9080, -61.8329
Hunter-Lab	76.5290, -24.1431, -15.3349

Details

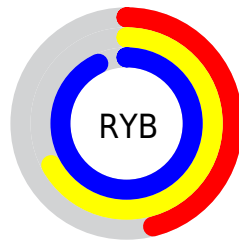
The Yxy color **58.5669, 0.2419, 0.3010** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.1042, 0.4418, 0.3537**, and the grayscale version is **50.4959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **29.2900, 0.2250, 0.2930** is the 20% darker color. If you saturate the color by 10%, you get **54.9072, 0.2313, 0.2944**, and if you desaturate by 10%, it is **62.7079, 0.2541, 0.3073**.

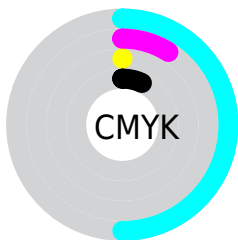
Distribution



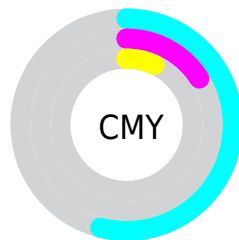
- Red (46%)
- Green (84%)
- Blue (93%)



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



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)





- Cyan (54%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5669, 0.2419, 0.3010 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 58.5669, 0.2419, 0.3010 by changing the saturation by 10% instead.


 58.5669, 0.2419,
0.3010

 58.5669, 0.2419,
0.3010


419.2950, 0.2750,
0.3152


 42.2646, 0.2343,
0.2974

 102.7479, 0.2534,
0.3062

 29.3085, 0.2250,
0.2929


 131.3954, 0.2579,
0.3081

 19.3143, 0.2132,
0.2869


 164.9268, 0.2617,
0.3098

 11.8976, 0.1979,
0.2786

203.7264, 0.2651,
0.3112

 6.6740, 0.1773,
0.2666

248.1786, 0.2680,
0.3124

 3.2591, 0.1487,
0.2481

298.6678, 0.2706,

 1.2684, 0.1041,

0.3135

355.5785, 0.2729,
0.3144

0.2173

0.1166, 0.0000,
0.0678

0.0000, 0.0000,
0.0000

58.5669, 0.2419,
0.3010

58.5669, 0.2419,
0.3010

54.9072, 0.2313,
0.2944

62.7079, 0.2541,
0.3073

51.6897, 0.2226,
0.2877

67.3524, 0.2675,
0.3134

48.8799, 0.2157,
0.2809

72.5291, 0.2819,
0.3190

46.4340, 0.2109,
0.2742

78.2624, 0.2970,
0.3242

■ 44.3107, 0.2077,
0.2677

■ 84.5753, 0.3125,
0.3289

■ 90.4686, 0.3244,
0.3332

■ 93.1015, 0.3240,
0.3375

■ 95.7974, 0.3236,
0.3417

■ 98.5568, 0.3233,
0.3459

Harmonies

Analogous

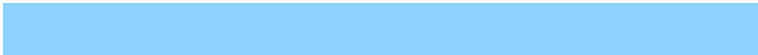
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.5669, 0.2573, 0.3372



58.5669, 0.2419, 0.3010



58.5669, 0.2439, 0.2757

Triad

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



58.5669, 0.2419, 0.3010



58.5669, 0.3354, 0.2898



58.5669, 0.3620, 0.3967

Complementary

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



58.5669, 0.2419, 0.3010



38.1042, 0.4418, 0.3537

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.



58.5669, 0.3857, 0.3783



58.5669, 0.2419, 0.3010



58.5669, 0.3703, 0.3176

Square

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



58.5669, 0.2419, 0.3010



58.5669, 0.2958, 0.2712



58.5669, 0.3891, 0.3493



58.5669, 0.3259, 0.3960

Rectangle

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



58.5669, 0.2419, 0.3010



58.5669, 0.2549, 0.2674



58.5669, 0.3891, 0.3493



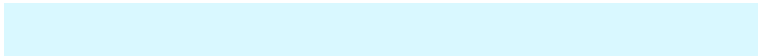
58.5669, 0.3718, 0.3923

Sweetspot

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



58.5691, 0.2419, 0.3010



89.0191, 0.2896, 0.3217



66.3156, 0.2948, 0.4601



18.7500, 0.2864, 0.3206



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.



58.5691, 0.2419, 0.3010



64.8081, 0.2313, 0.2944



33.6688, 0.2262, 0.2199



16.6202, 0.2981, 0.3245



24.3734, 0.2080, 0.2688



2.0366, 0.2106, 0.2780

Inverse Universe

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



35.8922, 0.3398, 0.2272



36.2911, 0.3469, 0.2105



60.3216, 0.4056, 0.4167



15.2632, 0.3166, 0.3100



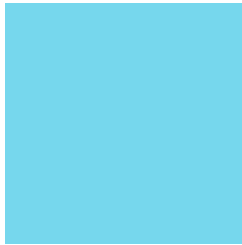
11.9533, 0.3740, 0.1834



0.9510, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 58.5669, 0.2419, 0.3010 looks on a white background.

Color Contrast Check

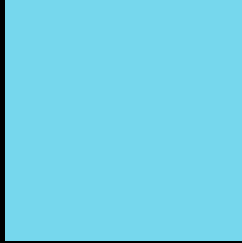
Large Text (above 18pt) WCAG AA × Fail

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 58.5669, 0.2419, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

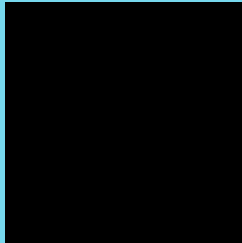
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5669, 0.2419, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 58.5669, 0.2419, 0.3010.



This preview shows how white text looks on a background with the Yxy color 58.5669, 0.2419, 0.3010.

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

58.5669, 0.2419, 0.3010

Protanopia

58.0736, 0.2917, 0.2976

Deuteranopia

57.9728, 0.2839, 0.2781



Tritanopia

58.7768, 0.2435, 0.3072

Trichromacy



Original Color

58.5669, 0.2419, 0.3010

Protanomaly

57.7006, 0.2705, 0.2986

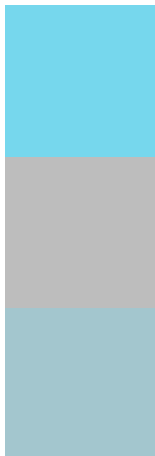
Deuteranomaly

57.5492, 0.2657, 0.2850

Tritanomaly

58.8342, 0.2431, 0.3059

Monochromacy



Original Color

58.5669, 0.2419, 0.3010

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.6309, 0.2812, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5669, 0.2419, 0.3010 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, 215, 237)` looks like.

```
.text, #text, p{  
    color:rgb(118, 215, 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(118, 215, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 215, 237) }
```

Border

The CSS property to change the border of an element to Yxy 58.5669, 0.2419, 0.3010 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, 215, 237) }
```

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

```
.border{ border-color:rgb(118, 215, 237) }
```

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

Here you see how a box with a 4 pixel rgb(118, 215, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 215, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 215, 237);  
box-shadow:4px 4px 4px 4px rgb(118, 215,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5669, 0.2419, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 215, 237) }
```

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

```
.background{ background-color: rgb(118,  
215, 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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