

Converting Colors

$Y_{xy}(44.8400, 0.2178, 0.2603)$

Have a look what the booklet for
Yxy(44.8400, 0.2178, 0.2603)
contains.

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Color

Yxy(44.8400, 0.2178, 0.2603)

Conversions

Conversions Part 1

Format	Color
Hex	4FBEF1
RGB	79, 190, 241
RGB Percent	31%, 75%, 95%
CMY	0.6900, 0.2549, 0.0549
CMYK	0.67, 0.21, 0.00, 0.05
HSL	199°, 85%, 63%
HSV	199°, 67%, 95%
XYZ	37.5188, 44.8400, 89.9039
YIQ	162.6250, -82.5270, -7.6710

Conversions

Conversions Part 2

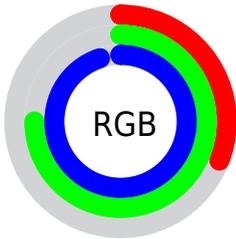
Format	Color
R_{YB}	79, 145, 241
Decimal	5226225
CIE _{Lab}	72.79, -15.92, -34.55
CIE _{LCh}	73, 38.041, 245.262
Yxy	44.8400, 0.2178, 0.2603
Android (android.graphics.Color)	4283416305 (0xFF4FB EF1)
YUV	162.6250, 38.6389, -73.3391
Hunter-Lab	66.9627, -17.1721, -32.7288

Details

The Yxy color **44.8400, 0.2178, 0.2603** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **35.2508, 0.4926, 0.3801**, and the grayscale version is **36.2911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0608, 0.2519, 0.3186**, and **21.3941, 0.2007, 0.2426** is the 20% darker color. If you saturate the color by 10%, you get **40.7846, 0.2085, 0.2482**, and if you desaturate by 10%, it is **49.4444, 0.2290, 0.2723**.

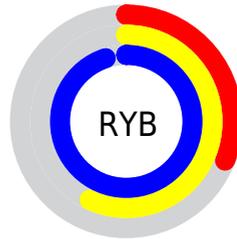
Distribution



Red (31%)

Green (75%)

Blue (95%)



Red (31%)

Yellow (57%)

Blue (95%)

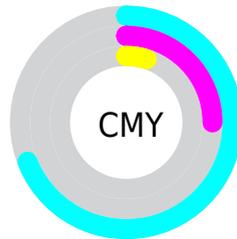


Cyan (67%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (69%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8400, 0.2178, 0.2603 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 44.8400, 0.2178, 0.2603 by changing the saturation by 10% instead.

■ 44.8400, 0.2178,
0.2603

■ 44.8400, 0.2178,
0.2603

■ 366.1252, 0.2633,
0.2950

■ 31.3314, 0.2072,
0.2518

■ 82.4803, 0.2338,
0.2728

■ 20.8513, 0.1941,
0.2410

■ 107.3807, 0.2400,
0.2776

■ 13.0154, 0.1775,
0.2269

■ 136.8473, 0.2453,
0.2816

■ 7.4391, 0.1561,
0.2080

■ 171.2643, 0.2499,
0.2850

■ 3.7382, 0.1279,
0.1817

■ 211.0162, 0.2539,
0.2880

■ 1.5282, 0.0907,
0.1440

■ 256.4874, 0.2574,

■ 0.3085, 0.0000,

0.2906

0.0702

308.0623, 0.2605,
0.2929

0.0000, 0.0000,
0.0000

44.8400, 0.2178,
0.2603

44.8400, 0.2178,
0.2603

40.7846, 0.2085,
0.2482

49.4444, 0.2290,
0.2723

37.2281, 0.2012,
0.2361

54.6317, 0.2418,
0.2838

34.1142, 0.1960,
0.2242

60.4383, 0.2558,
0.2948

33.2967, 0.1947,
0.2209

66.8952, 0.2707,
0.3051

74.0314, 0.2861,
0.3146

 81.8736, 0.3016,
0.3233

 90.4470, 0.3170,
0.3311

 96.4359, 0.3212,
0.3384

 99.1315, 0.3209,
0.3425

Harmonies

Analogous

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



44.8400, 0.2191, 0.2972



44.8400, 0.2178, 0.2603



44.8400, 0.2388, 0.2445

Triad

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



44.8400, 0.2178, 0.2603



44.8400, 0.3849, 0.3051



44.8400, 0.3391, 0.4260

Complementary

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



44.8400, 0.2178, 0.2603



35.2508, 0.4926, 0.3801

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.



44.8400, 0.3871, 0.4186



44.8400, 0.2178, 0.2603



44.8400, 0.4163, 0.3466

Square

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



44.8400, 0.2178, 0.2603



44.8400, 0.3332, 0.2705



44.8400, 0.4164, 0.3877



44.8400, 0.2864, 0.4002

Rectangle

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



44.8400, 0.2178, 0.2603



44.8400, 0.2641, 0.2453



44.8400, 0.4164, 0.3877



44.8400, 0.3564, 0.4270

Sweetspot

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



44.8416, 0.2178, 0.2603



81.7529, 0.2816, 0.3120



66.1304, 0.2841, 0.4873



17.0056, 0.2773, 0.3093



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.



44.8416, 0.2178, 0.2603



44.6606, 0.2053, 0.2433



19.4821, 0.1911, 0.1499



17.0402, 0.2981, 0.3214



18.3068, 0.1952, 0.2228



1.7004, 0.1996, 0.2384

Inverse Universe

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



28.0198, 0.3780, 0.2190



27.1260, 0.3972, 0.2088



64.6820, 0.4260, 0.4562



15.9417, 0.3186, 0.3130



11.6414, 0.4202, 0.2089



0.9864, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 44.8400, 0.2178, 0.2603 looks on a white background.

Color Contrast Check

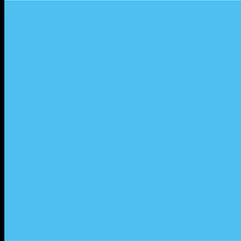
Large Text (above 18pt) WCAG AA × Fail

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 44.8400, 0.2178, 0.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

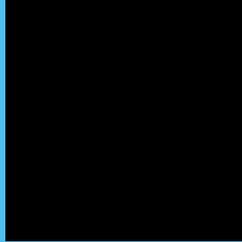
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

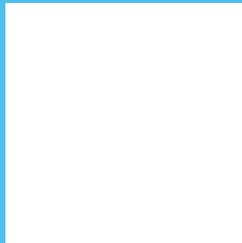
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8400, 0.2178, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 44.8400, 0.2178, 0.2603.



This preview shows how white text looks on a background with the Yxy color 44.8400, 0.2178, 0.2603.

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

44.8400, 0.2178, 0.2603

Protanopia

44.1596, 0.2632, 0.2599

Deuteranopia

44.2595, 0.2502, 0.2440



Tritanopia

44.7255, 0.2267, 0.3054

Trichromacy



Original Color

44.8400, 0.2178, 0.2603

Protanomaly

43.4886, 0.2418, 0.2584

Deuteranomaly

43.7028, 0.2350, 0.2481

Tritanomaly

44.6428, 0.2232, 0.2877

Monochromacy



Original Color

44.8400, 0.2178, 0.2603

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.5543, 0.2659, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8400, 0.2178, 0.2603 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(79, 190, 241)` looks like.

```
.text, #text, p{  
    color:rgb(79, 190, 241)  
}
```

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(79, 190, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 190, 241) }
```

Border

The CSS property to change the border of an element to Yxy 44.8400, 0.2178, 0.2603 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(79, 190, 241) }
```

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

```
.border{ border-color:rgb(79, 190, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 190, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 190, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 190, 241);  
box-shadow:4px 4px 4px 4px rgb(79, 190,  
241) }
```

Background

The CSS property to change the background color of an element to Yxy 44.8400, 0.2178, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 190, 241) }
```

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

```
.background{ background-color: rgb(79, 190,  
241) }
```

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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