

Converting Colors

$Yxy(44.3347, 0.2161, 0.2566)$

Have a look what the booklet for
Yxy(44.3347, 0.2161, 0.2566)
contains.

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Color

Yxy(44.4440, 0.2160, 0.2565)

Conversions

Conversions Part 1

Format	Color
Hex	4DBDF3
RGB	77, 189, 243
RGB Percent	30%, 74%, 95%
CMY	0.6986, 0.2588, 0.0471
CMYK	0.68, 0.22, 0.00, 0.05
HSL	199°, 87%, 63%
HSV	199°, 68%, 95%
XYZ	37.4265, 44.4440, 91.4004
YIQ	161.6680, -84.0860, -6.9500

Conversions

Conversions Part 2

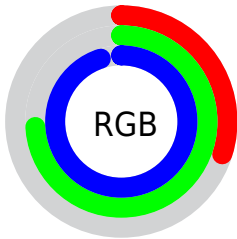
Format	Color
RYB	77, 144, 243
Decimal	5094899
CIELab	72.52, -15.09, -36.04
CIELCh	73, 39.069, 247.279
Yxy	44.4440, 0.2160, 0.2565
Android (android.graphics.Color)	4283284979 (0xFF4DBDF3)
YUV	161.6680, 40.0967, -74.2538
Hunter-Lab	66.6663, -16.4561, -34.6209

Details

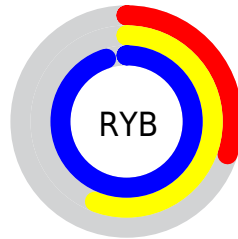
The Yxy color **44.4440, 0.2160, 0.2565** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **35.7779, 0.4955, 0.3821**, and the grayscale version is **35.7901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3645, 0.2513, 0.3174**, and **21.1962, 0.1994, 0.2378** is the 20% darker color. If you saturate the color by 10%, you get **40.3133, 0.2068, 0.2439**, and if you desaturate by 10%, it is **49.1398, 0.2271, 0.2689**.

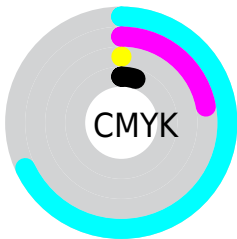
Distribution



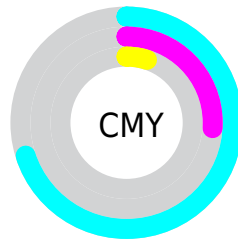
- Red (30%)
- Green (74%)
- Blue (95%)



- Red (30%)
- Yellow (56%)
- Blue (95%)



- Cyan (68%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)




- Cyan (70%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4440, 0.2160, 0.2565 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 44.4440, 0.2160, 0.2565 by changing the saturation by 10% instead.


 44.4440, 0.2160,
0.2565

 44.4440, 0.2160,
0.2565


364.5171, 0.2624,
0.2930


 31.0197, 0.2052,
0.2476


 81.8854, 0.2323,
0.2697

 20.6139, 0.1919,
0.2363


 106.6714, 0.2386,
0.2746

 12.8420, 0.1751,
0.2217


 136.0133, 0.2440,
0.2789

 7.3199, 0.1534,
0.2021

 170.2957, 0.2486,
0.2825

 3.6629, 0.1251,
0.1751

209.9029, 0.2527,
0.2856

 1.4869, 0.0878,
0.1369

255.2192, 0.2563,

 0.2795, 0.0000,

0.2884

0.0614

306.6291, 0.2595,
0.2908

0.0000, 0.0000,
0.0000

44.4440, 0.2160,
0.2565

44.4440, 0.2160,
0.2565

40.3133, 0.2068,
0.2439

49.1398, 0.2271,
0.2689

36.6957, 0.1996,
0.2314

54.4365, 0.2399,
0.2809


33.5264, 0.1944,
0.2192


60.3717, 0.2539,
0.2924


33.0386, 0.1937,
0.2172


66.9778, 0.2688,
0.3031

74.2849, 0.2842,
0.3130

 82.3205, 0.2998,
0.3221

 91.1110, 0.3152,
0.3303

 97.4662, 0.3199,
0.3378

 99.2512, 0.3197,
0.3405

Harmonies

Analogous

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



44.4440, 0.2157, 0.2929



44.4440, 0.2160, 0.2565



44.4440, 0.2389, 0.2419

Triad

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



44.4440, 0.2160, 0.2565



44.4440, 0.3901, 0.3071



44.4440, 0.3360, 0.4284

Complementary

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



44.4440, 0.2160, 0.2565



35.7779, 0.4955, 0.3821

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.



44.4440, 0.3863, 0.4226



44.4440, 0.2160, 0.2565



44.4440, 0.4205, 0.3498

Square

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



44.4440, 0.2160, 0.2565



44.4440, 0.3376, 0.2709



44.4440, 0.4182, 0.3917



44.4440, 0.2820, 0.3996

Rectangle

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



44.4440, 0.2160, 0.2565



44.4440, 0.2657, 0.2436



44.4440, 0.4182, 0.3917



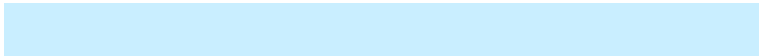
44.4440, 0.3539, 0.4302

Sweetspot

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



44.4456, 0.2160, 0.2565



80.6168, 0.2800, 0.3105



67.2713, 0.2828, 0.4867



16.7679, 0.2758, 0.3077



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.



44.4456, 0.2160, 0.2565



43.3645, 0.2038, 0.2391



18.6240, 0.1882, 0.1430



17.7971, 0.2980, 0.3211



18.3881, 0.1942, 0.2191



1.8025, 0.1985, 0.2345

Inverse Universe

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



28.0172, 0.3818, 0.2192



26.7966, 0.4015, 0.2102



66.9468, 0.4257, 0.4599



16.6713, 0.3188, 0.3131



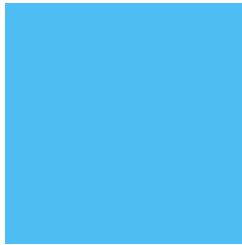
11.9557, 0.4242, 0.2110



1.0696, 0.4079, 0.2021

Previews

White Background



This preview shows how the Yxy color 44.4440, 0.2160, 0.2565 looks on a white background.

Color Contrast Check

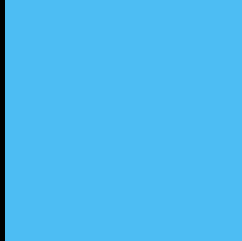
Large Text (above 18pt) WCAG AA × Fail

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 44.4440, 0.2160, 0.2565 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

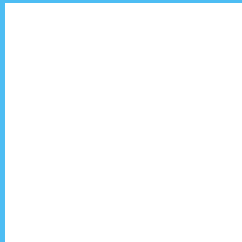
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4440, 0.2160, 0.2565

Background



This preview shows how black text looks on a background with the Yxy color 44.4440, 0.2160, 0.2565.



This preview shows how white text looks on a background with the Yxy color 44.4440, 0.2160, 0.2565.

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

44.4440, 0.2160, 0.2565

Protanopia

44.0632, 0.2605, 0.2574

Deuteranopia

44.0861, 0.2471, 0.2416



Tritanopia

44.5741, 0.2254, 0.3054

Trichromacy



Original Color

44.4440, 0.2160, 0.2565



Protanomaly

43.4445, 0.2396, 0.2560



Deuteranomaly

43.5951, 0.2325, 0.2456



Tritanomaly

44.5576, 0.2217, 0.2863

Monochromacy



Original Color

44.4440, 0.2160, 0.2565



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.0919, 0.2650, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4440, 0.2160, 0.2565 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(77, 189, 243)` looks like.

```
.text, #text, p{  
    color:rgb(77, 189, 243)  
}
```

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(77, 189, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 189, 243) }
```

Border

The CSS property to change the border of an element to Yxy 44.4440, 0.2160, 0.2565 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(77, 189, 243) }
```

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

```
.border{ border-color:rgb(77, 189, 243) }
```

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

Here you see how a box with a 4 pixel rgb(77, 189, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 189, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 189, 243);  
box-shadow:4px 4px 4px 4px rgb(77, 189,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4440, 0.2160, 0.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 189, 243) }
```

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

```
.background{ background-color: rgb(77, 189,  
243) }
```

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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