

Converting Colors

$Y_{xy}(44.4256, 0.2455, 0.2860)$

Have a look what the booklet for
Yxy(44.4256, 0.2455, 0.2860)
contains.

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Color

Yxy(44.6676, 0.2457, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	79BBDA
RGB	121, 187, 218
RGB Percent	47%, 73%, 85%
CMY	0.5256, 0.2666, 0.1451
CMYK	0.45, 0.14, 0.00, 0.15
HSL	199°, 57%, 66%
HSV	199°, 45%, 85%
XYZ	38.3066, 44.6676, 72.9337
YIQ	170.8000, -49.2870, -4.3510

Conversions

Conversions Part 2

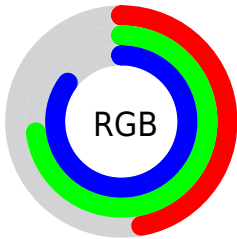
Format	Color
RYB	121, 160, 218
Decimal	7977946
CIELab	72.67, -12.88, -22.11
CIELCh	73, 25.586, 239.779
Yxy	44.6676, 0.2457, 0.2865
Android (android.graphics.Color)	4286168026 (0xFF79BBDA)
YUV	170.8000, 23.2696, -43.6746
Hunter-Lab	66.8338, -14.6499, -17.9177

Details

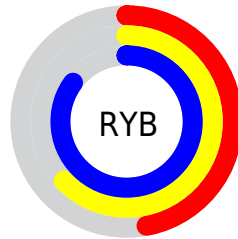
The Yxy color **44.6676, 0.2457, 0.2865** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.7287, 0.4129, 0.3669**, and the grayscale version is **40.5160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6683, 0.2671, 0.3157**, and **20.8184, 0.2282, 0.2743** is the 20% darker color. If you saturate the color by 10%, you get **40.3854, 0.2325, 0.2750**, and if you desaturate by 10%, it is **49.4522, 0.2600, 0.2974**.

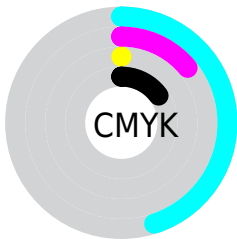
Distribution



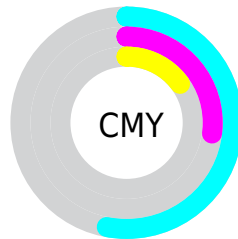
- Red (47%)
- Green (73%)
- Blue (85%)



- Red (47%)
- Yellow (63%)
- Blue (85%)



- Cyan (45%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6676, 0.2457, 0.2865 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 44.6676, 0.2457, 0.2865 by changing the saturation by 10% instead.

■ 44.6676, 0.2457,
0.2865

■ 44.6676, 0.2457,
0.2865

365.4257, 0.2785,
0.3083

■ 31.1957, 0.2378,
0.2810

■ 82.2214, 0.2574,
0.2945

■ 20.7479, 0.2278,
0.2739

■ 107.0720, 0.2619,
0.2975

■ 12.9399, 0.2148,
0.2644

■ 136.4844, 0.2657,
0.3000

■ 7.3871, 0.1974,
0.2511

170.8429, 0.2690,
0.3021

■ 3.7054, 0.1730,
0.2316

210.5318, 0.2718,
0.3040

■ 1.5102, 0.1371,
0.2007

255.9357, 0.2743,

■ 0.2959, 0.0000,

0.3056

0.1195

307.4388, 0.2766,
0.3070

0.0000, 0.0000,
0.0000

44.6676, 0.2457,
0.2865

44.6676, 0.2457,
0.2865

40.3854, 0.2325,
0.2750

49.4522, 0.2600,
0.2974

36.5744, 0.2208,
0.2630

54.7582, 0.2750,
0.3076

33.2068, 0.2109,
0.2508

60.6094, 0.2903,
0.3169

30.2488, 0.2029,
0.2386

67.0265, 0.3058,
0.3254

27.6598, 0.1971,
0.2265

74.0289, 0.3211,
0.3331

■ 26.3593, 0.1944,
0.2199

■ 81.6351, 0.3359,
0.3399

■ 86.1693, 0.3373,
0.3467

■ 90.2517, 0.3363,
0.3535

■ 94.4922, 0.3353,
0.3601

Harmonies

Analogous

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



44.6676, 0.2499, 0.3147



44.6676, 0.2457, 0.2865



44.6676, 0.2580, 0.2716

Triad

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



44.6676, 0.2457, 0.2865



44.6676, 0.3557, 0.3081



44.6676, 0.3383, 0.3939

Complementary

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



44.6676, 0.2457, 0.2865



38.7287, 0.4129, 0.3669

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.



44.6676, 0.3687, 0.3876



44.6676, 0.2457, 0.2865



44.6676, 0.3797, 0.3372

Square

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



44.6676, 0.2457, 0.2865



44.6676, 0.3203, 0.2847



44.6676, 0.3844, 0.3661



44.6676, 0.3021, 0.3801

Rectangle

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



44.6676, 0.2457, 0.2865



44.6676, 0.2744, 0.2699



44.6676, 0.3844, 0.3661



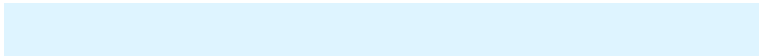
44.6676, 0.3495, 0.3939

Sweetspot

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



44.6693, 0.2457, 0.2865



87.6755, 0.2925, 0.3182



56.4638, 0.2891, 0.4230



18.3483, 0.2891, 0.3162



0.0000, 0.0000, 0.0000



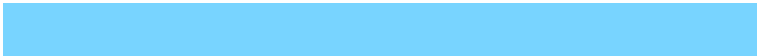
21.4041, 0.3127, 0.3290

Same Dimension

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



44.6693, 0.2457, 0.2865



58.2062, 0.2338, 0.2762



27.5192, 0.2335, 0.2161



14.0917, 0.2982, 0.3214



15.9934, 0.1949, 0.2217



1.1890, 0.2004, 0.2413

Inverse Universe

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



32.1605, 0.3500, 0.2517



39.4020, 0.3606, 0.2376



57.6927, 0.3869, 0.4206



13.2004, 0.3186, 0.3132



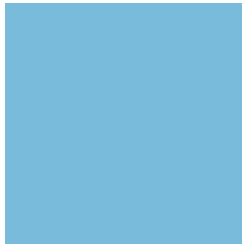
10.2383, 0.4214, 0.2095



0.6787, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 44.6676, 0.2457, 0.2865 looks on a white background.

Color Contrast Check

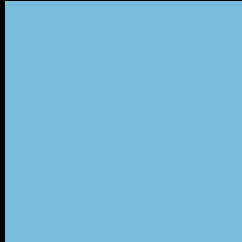
Large Text (above 18pt) WCAG AA × Fail

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 44.6676, 0.2457, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

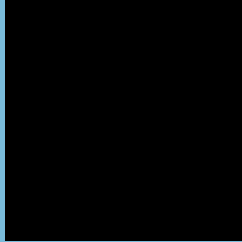
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6676, 0.2457, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 44.6676, 0.2457, 0.2865.



This preview shows how white text looks on a background with the Yxy color 44.6676, 0.2457, 0.2865.

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

44.6676, 0.2457, 0.2865

Protanopia

44.3617, 0.2826, 0.2852

Deuteranopia

44.3768, 0.2763, 0.2700



Tritanopia

44.5849, 0.2511, 0.3063

Trichromacy



Original Color

44.6676, 0.2457, 0.2865

Protanomaly

44.2189, 0.2676, 0.2853

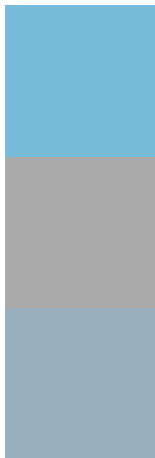
Deuteranomaly

44.2775, 0.2637, 0.2756

Tritanomaly

44.4711, 0.2486, 0.2981

Monochromacy



Original Color

44.6676, 0.2457, 0.2865

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.8474, 0.2843, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6676, 0.2457, 0.2865 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(121, 187, 218)` looks like.

```
.text, #text, p{  
    color:rgb(121, 187, 218)  
}
```

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(121, 187, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 187, 218) }
```

Border

The CSS property to change the border of an element to Yxy 44.6676, 0.2457, 0.2865 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(121, 187, 218) }
```

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

```
.border{ border-color:rgb(121, 187, 218) }
```

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

Here you see how a box with a 4 pixel rgb(121, 187, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 187, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 187, 218);  
box-shadow:4px 4px 4px 4px rgb(121, 187,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6676, 0.2457, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 187, 218) }
```

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

```
.background{ background-color: rgb(121,  
187, 218) }
```

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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