

Converting Colors

$Yxy(52.6940, 0.2416, 0.2801)$

Have a look what the booklet for
Yxy(52.6940, 0.2416, 0.2801)
contains.

Yxy(52.6538, 0.2416, 0.2795)	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(52.6538, 0.2416, 0.2795)

Conversions

Conversions Part 1

Format	Color
Hex	80C9F0
RGB	128, 201, 240
RGB Percent	50%, 79%, 94%
CMY	0.4982, 0.2117, 0.0587
CMYK	0.47, 0.16, 0.00, 0.06
HSL	201°, 79%, 72%
HSV	201°, 47%, 94%
XYZ	45.5140, 52.6538, 90.2179
YIQ	183.6190, -56.0270, -3.3470

Conversions

Conversions Part 2

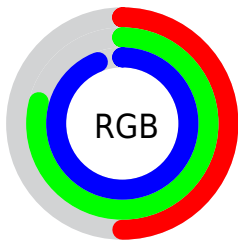
Format	Color
R _Y B	128, 172, 240
Decimal	8440304
CIE Lab	77.67, -12.57, -26.35
CIE LCh	78, 29.195, 244.487
Yxy	52.6538, 0.2416, 0.2795
Android (android.graphics.Color)	4286630384 (0xFF80C9F0)
YUV	183.6190, 27.7958, -48.7779
Hunter-Lab	72.5629, -15.0238, -22.9215

Details

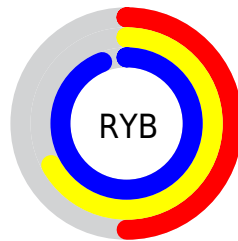
The Yxy color **52.6538, 0.2416, 0.2795** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.7127, 0.4186, 0.3723**, and the grayscale version is **47.5754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **25.6302, 0.2242, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **47.2196, 0.2283, 0.2666**, and if you desaturate by 10%, it is **58.7440, 0.2560, 0.2917**.

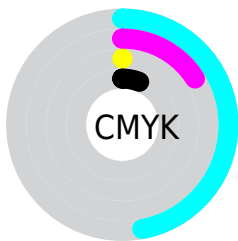
Distribution



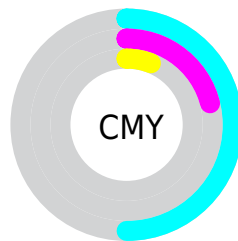
- Red (50%)
- Green (79%)
- Blue (94%)



- Red (50%)
- Yellow (67%)
- Blue (94%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (50%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6538, 0.2416, 0.2795 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 52.6538, 0.2416, 0.2795 by changing the saturation by 10% instead.

■ 52.6538, 0.2416,
0.2795

■ 52.6538, 0.2416,
0.2795

■ 396.9555, 0.2754,
0.3040

■ 37.5265, 0.2337,
0.2736

■ 94.0947, 0.2534,
0.2883

■ 25.6154, 0.2240,
0.2661

■ 121.1771, 0.2580,
0.2916

■ 16.5361, 0.2116,
0.2563

■ 153.0134, 0.2619,
0.2944

■ 9.9043, 0.1954,
0.2432

■ 189.9878, 0.2653,
0.2969

■ 5.3356, 0.1735,
0.2247

■ 232.4848, 0.2683,
0.2990

■ 2.4455, 0.1428,
0.1972

■ 280.8888, 0.2709,

■ 0.8491, 0.0914,

0.3009

0.1552

335.5843, 0.2733,
0.3025

0.0000, 0.0000,
0.0000

52.6538, 0.2416,
0.2795

52.6538, 0.2416,
0.2795

47.2196, 0.2283,
0.2666

58.7440, 0.2560,
0.2917

42.4005, 0.2165,
0.2533

65.5160, 0.2712,
0.3031

38.1596, 0.2066,
0.2398

73.0010, 0.2868,
0.3136

34.4513, 0.1987,
0.2263

81.2262, 0.3024,
0.3231

31.2192, 0.1930,
0.2131

90.2173, 0.3178,
0.3317

■ 30.2253, 0.1913,
0.2088

■ 96.6365, 0.3217,
0.3398

■ 99.0725, 0.3214,
0.3434

Harmonies

Analogous

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



52.6538, 0.2433, 0.3078



52.6538, 0.2416, 0.2795



52.6538, 0.2573, 0.2662

Triad

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



52.6538, 0.2416, 0.2795



52.6538, 0.3644, 0.3111



52.6538, 0.3341, 0.3985

Complementary

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



52.6538, 0.2416, 0.2795



47.7127, 0.4186, 0.3723

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.



52.6538, 0.3687, 0.3946



52.6538, 0.2416, 0.2795



52.6538, 0.3875, 0.3427

Square

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



52.6538, 0.2416, 0.2795



52.6538, 0.3271, 0.2847



52.6538, 0.3888, 0.3731



52.6538, 0.2952, 0.3802

Rectangle

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



52.6538, 0.2416, 0.2795



52.6538, 0.2763, 0.2661



52.6538, 0.3888, 0.3731



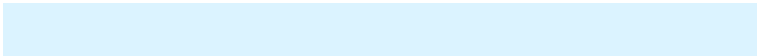
52.6538, 0.3467, 0.3996

Sweetspot

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



52.6558, 0.2416, 0.2795



86.1719, 0.2909, 0.3162



69.6465, 0.2872, 0.4266



18.0208, 0.2875, 0.3141



0.0000, 0.0000, 0.0000



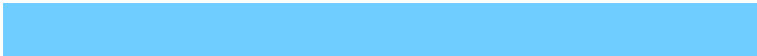
21.4041, 0.3127, 0.3290

Same Dimension

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



52.6558, 0.2416, 0.2795



54.4782, 0.2289, 0.2673



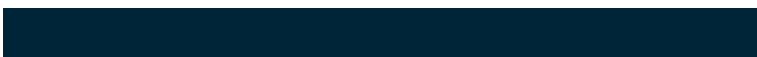
31.6324, 0.2283, 0.2063



16.9487, 0.2980, 0.3206



16.8010, 0.1919, 0.2109



1.5830, 0.1967, 0.2283

Inverse Universe

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



38.1737, 0.3562, 0.2509



37.3142, 0.3689, 0.2369



71.9810, 0.3902, 0.4269



15.9325, 0.3191, 0.3137



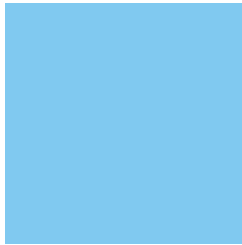
11.4894, 0.4331, 0.2160



0.9745, 0.4145, 0.2057

Previews

White Background



This preview shows how the Yxy color 52.6538, 0.2416, 0.2795 looks on a white background.

Color Contrast Check

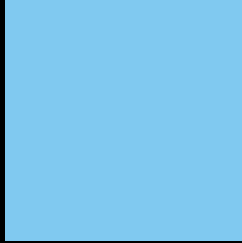
Large Text (above 18pt) WCAG AA × Fail

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 52.6538, 0.2416, 0.2795 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

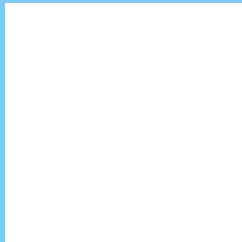
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.6538, 0.2416, 0.2795

Background



This preview shows how black text looks on a background with the Yxy color 52.6538, 0.2416, 0.2795.

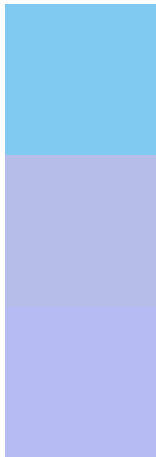


This preview shows how white text looks on a background with the Yxy color 52.6538, 0.2416, 0.2795.

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

52.6538, 0.2416, 0.2795

Protanopia

52.1665, 0.2770, 0.2776

Deuteranopia

52.3826, 0.2701, 0.2647



Tritanopia

52.5438, 0.2488, 0.3064

Trichromacy



Original Color

52.6538, 0.2416, 0.2795

Protanomaly

51.8195, 0.2621, 0.2774

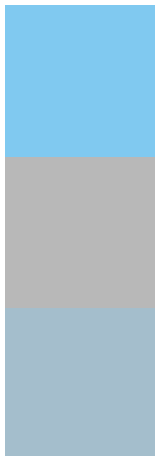
Deuteranomaly

52.2321, 0.2581, 0.2697

Tritanomaly

52.5984, 0.2460, 0.2963

Monochromacy



Original Color

52.6538, 0.2416, 0.2795

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.0791, 0.2825, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6538, 0.2416, 0.2795 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(128, 201, 240)` looks like.

```
.text, #text, p{  
    color:rgb(128, 201, 240)  
}
```

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(128, 201, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 201, 240) }
```

Border

The CSS property to change the border of an element to Yxy 52.6538, 0.2416, 0.2795 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(128, 201, 240) }
```

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

```
.border{ border-color:rgb(128, 201, 240) }
```

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

Here you see how a box with a 4 pixel rgb(128, 201, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 201, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 201, 240);  
box-shadow:4px 4px 4px 4px rgb(128, 201,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6538, 0.2416, 0.2795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 201, 240) }
```

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

```
.background{ background-color: rgb(128,  
201, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor