

Converting Colors

$Y_{xy}(44.3242, 0.2196, 0.2781)$

Have a look what the booklet for
Yxy(44.3242, 0.2196, 0.2781)
contains.

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Color

Yxy(44.4590, 0.2198, 0.2784)

Conversions

Conversions Part 1

Format	Color
Hex	42C0E4
RGB	66, 192, 228
RGB Percent	26%, 75%, 89%
CMY	0.7411, 0.2471, 0.1059
CMYK	0.71, 0.16, 0.00, 0.11
HSL	193°, 75%, 58%
HSV	193°, 71%, 89%
XYZ	35.1009, 44.4590, 80.1348
YIQ	158.4300, -86.6520, -15.5160

Conversions

Conversions Part 2

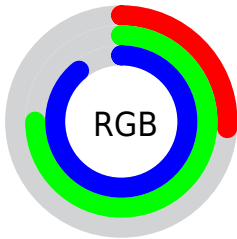
Format	Color
R _{YB}	66, 137, 228
Decimal	4374756
CIE Lab	72.53, -22.89, -27.93
CIE LCh	73, 36.107, 230.664
Yxy	44.4590, 0.2198, 0.2784
Android (android.graphics.Color)	4282564836 (0xFF42C0E4)
YUV	158.4300, 34.2980, -81.0611
Hunter-Lab	66.6776, -22.7185, -24.5819

Details

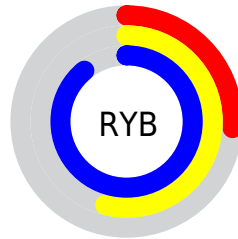
The Yxy color **44.4590, 0.2198, 0.2784** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **26.3954, 0.5212, 0.3646**, and the grayscale version is **34.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9579, 0.2480, 0.3220**, and **21.1555, 0.2069, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **41.6326, 0.2126, 0.2701**, and if you desaturate by 10%, it is **47.6806, 0.2289, 0.2866**.

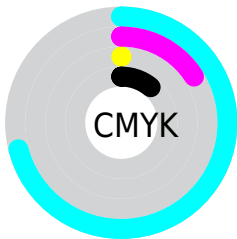
Distribution



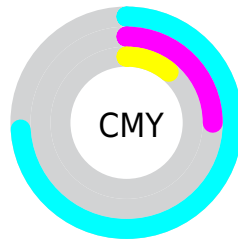
- Red (26%)
- Green (75%)
- Blue (89%)



- Red (26%)
- Yellow (54%)
- Blue (89%)



- Cyan (71%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (74%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4590, 0.2198, 0.2784 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 44.4590, 0.2198, 0.2784 by changing the saturation by 10% instead.

■ 44.4590, 0.2198,
0.2784

■ 44.4590, 0.2198,
0.2784

■ 364.5781, 0.2646,
0.3048

■ 31.0315, 0.2093,
0.2716

■ 81.9080, 0.2356,
0.2882

■ 20.6228, 0.1962,
0.2629

■ 106.6983, 0.2417,
0.2918

■ 12.8486, 0.1795,
0.2512

■ 136.0450, 0.2469,
0.2948

■ 7.3244, 0.1578,
0.2350

■ 170.3324, 0.2514,
0.2974

■ 3.6658, 0.1288,
0.2115

■ 209.9451, 0.2553,
0.2996

■ 1.4884, 0.0895,
0.1753

■ 255.2673, 0.2588,

■ 0.2806, 0.0000,

0.3016

0.0876

306.6835, 0.2619,
0.3033

■ 0.0000, 0.0000,
0.0000

■ 44.4590, 0.2198,
0.2784

■ 44.4590, 0.2198,
0.2784

■ 41.6326, 0.2126,
0.2701

■ 47.6806, 0.2289,
0.2866

■ 39.1559, 0.2074,
0.2619


■ 51.3270, 0.2399,
0.2946


■ 37.1762, 0.2041,
0.2547


■ 55.4296, 0.2523,
0.3023


■ 60.0155, 0.2660,
0.3096

■ 65.1090, 0.2806,
0.3164

 70.7329, 0.2957,
0.3227

 76.9085, 0.3111,
0.3284

 83.6555, 0.3265,
0.3336

 87.7855, 0.3305,
0.3385

Harmonies

Analogous

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



44.4590, 0.2318, 0.3221



44.4590, 0.2198, 0.2784



44.4590, 0.2297, 0.2531

Triad

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



44.4590, 0.2198, 0.2784



44.4590, 0.3589, 0.2889



44.4590, 0.3618, 0.4215

Complementary

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



44.4590, 0.2198, 0.2784



26.3954, 0.5212, 0.3646

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.



44.4590, 0.4003, 0.4023



44.4590, 0.2198, 0.2784



44.4590, 0.4001, 0.3263

Square

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



44.4590, 0.2198, 0.2784



44.4590, 0.3067, 0.2611



44.4590, 0.4153, 0.3669



44.4590, 0.3120, 0.4123

Rectangle

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



44.4590, 0.2198, 0.2784



44.4590, 0.2479, 0.2475



44.4590, 0.4153, 0.3669



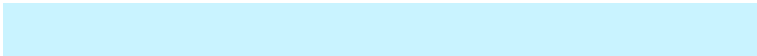
44.4590, 0.3766, 0.4178

Sweetspot

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



44.4606, 0.2198, 0.2784



83.8596, 0.2804, 0.3164



57.5915, 0.2896, 0.5156



17.5449, 0.2763, 0.3145



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.



44.4606, 0.2198, 0.2784



52.1770, 0.2100, 0.2665



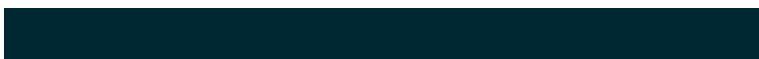
18.3296, 0.1897, 0.1578



15.7643, 0.2981, 0.3237



21.6492, 0.2044, 0.2559



1.7341, 0.2077, 0.2678

Inverse Universe

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



24.1991, 0.3624, 0.2018



27.1586, 0.3753, 0.1917



50.3894, 0.4425, 0.4484



14.5575, 0.3172, 0.3109



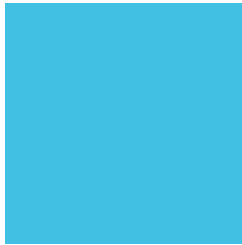
11.3832, 0.3864, 0.1902



0.8547, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 44.4590, 0.2198, 0.2784 looks on a white background.

Color Contrast Check

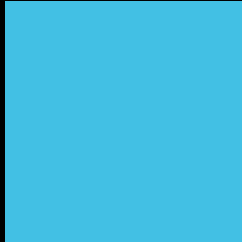
Large Text (above 18pt) WCAG AA × Fail

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 44.4590, 0.2198, 0.2784 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 44.4590, 0.2198, 0.2784

Background



This preview shows how black text looks on a background with the Yxy color 44.4590, 0.2198, 0.2784.



This preview shows how white text looks on a background with the Yxy color 44.4590, 0.2198, 0.2784.

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

44.4590, 0.2198, 0.2784

Protanopia

43.8333, 0.2753, 0.2763

Deuteranopia

43.9908, 0.2625, 0.2566



Tritanopia

44.5176, 0.2249, 0.3053

Trichromacy



Original Color

44.4590, 0.2198, 0.2784



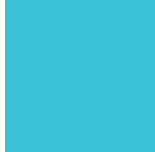
Protanomaly

42.9609, 0.2484, 0.2761



Deuteranomaly

43.4065, 0.2413, 0.2629



Tritanomaly

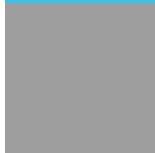
44.4929, 0.2230, 0.2956

Monochromacy



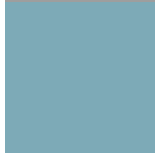
Original Color

44.4590, 0.2198, 0.2784



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.5283, 0.2657, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4590, 0.2198, 0.2784 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(66, 192, 228)` looks like.

```
.text, #text, p{  
    color:rgb(66, 192, 228)  
}
```

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(66, 192, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 192, 228) }
```

Border

The CSS property to change the border of an element to Yxy 44.4590, 0.2198, 0.2784 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(66, 192, 228) }
```

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

```
.border{ border-color:rgb(66, 192, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 192, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 192, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 192, 228);  
box-shadow:4px 4px 4px 4px rgb(66, 192,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4590, 0.2198, 0.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 192, 228) }
```

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

```
.background{ background-color: rgb(66, 192,  
228) }
```

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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