

Converting Colors

$Yxy(44.7694, 0.2126, 0.2693)$

Have a look what the booklet for
Yxy(44.7694, 0.2126, 0.2693)
contains.

Yxy(44.7769, 0.2126, 0.2693)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.7769, 0.2126, 0.2693)

Conversions

Conversions Part 1

Format	Color
Hex	2EC1EC
RGB	46, 193, 236
RGB Percent	18%, 76%, 93%
CMY	0.8183, 0.2432, 0.0745
CMYK	0.80, 0.18, 0.00, 0.07
HSL	194°, 83%, 55%
HSV	194°, 80%, 93%
XYZ	35.3493, 44.7769, 86.1452
YIQ	153.9490, -101.4150, -17.7910

Conversions

Conversions Part 2

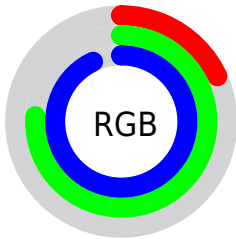
Format	Color
R_{YB}	46, 129, 236
Decimal	3064300
CIE _{Lab}	72.74, -22.95, -31.97
CIE _{LCh}	73, 39.354, 234.327
Yxy	44.7769, 0.2126, 0.2693
Android (android.graphics.Color)	4281254380 (0xFF2EC1EC)
YUV	153.9490, 40.4511, -94.6713
Hunter-Lab	66.9155, -22.8064, -29.4874

Details

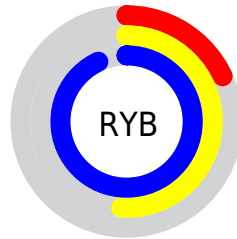
The Yxy color **44.7769, 0.2126, 0.2693** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.2421, 0.5577, 0.3637**, and the grayscale version is **32.1876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8022, 0.2445, 0.3230**, and **21.7605, 0.2039, 0.2539** is the 20% darker color. If you saturate the color by 10%, you get **42.0443, 0.2072, 0.2609**, and if you desaturate by 10%, it is **47.8998, 0.2200, 0.2778**.

Distribution



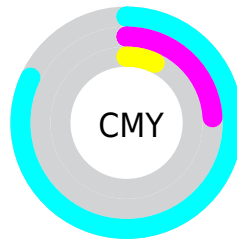
- Red (18%)
- Green (76%)
- Blue (93%)



- Red (18%)
- Yellow (51%)
- Blue (93%)



- Cyan (80%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (82%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7769, 0.2126, 0.2693 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 44.7769, 0.2126, 0.2693 by changing the saturation by 10% instead.

■ 44.7769, 0.2126,
0.2693

■ 44.7769, 0.2126,
0.2693

■ 365.8692, 0.2605,
0.3001

■ 31.2817, 0.2015,
0.2615

■ 82.3855, 0.2294,
0.2806

■ 20.8135, 0.1877,
0.2516

■ 107.2678, 0.2359,
0.2848

■ 12.9877, 0.1704,
0.2384

■ 136.7145, 0.2415,
0.2884

■ 7.4201, 0.1481,
0.2205

■ 171.1101, 0.2463,
0.2914

■ 3.7262, 0.1189,
0.1949

■ 210.8390, 0.2505,
0.2940

■ 1.5216, 0.0807,
0.1572

256.2856, 0.2542,

■ 0.3039, 0.0000,

0.2963

0.0775

307.8342, 0.2576,
0.2983

■ 0.0000, 0.0000,
0.0000

■ 44.7769, 0.2126,
0.2693

■ 44.7769, 0.2126,
0.2693

■ 42.0443, 0.2072,
0.2609

■ 47.8998, 0.2200,
0.2778


■ 39.7055, 0.2036,
0.2529

■ 51.4523, 0.2293,
0.2862


■ 55.4728, 0.2404,
0.2943


■ 59.9940, 0.2530,
0.3022

■ 65.0447, 0.2668,
0.3096

 70.6518, 0.2815,
0.3166

 76.8397, 0.2967,
0.3230

 83.6315, 0.3122,
0.3288

 90.3295, 0.3250,
0.3341

Harmonies

Analogous

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



44.7769, 0.2224, 0.3144



44.7769, 0.2126, 0.2693



44.7769, 0.2260, 0.2452

Triad

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



44.7769, 0.2126, 0.2693



44.7769, 0.3694, 0.2901



44.7769, 0.3593, 0.4304

Complementary

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



44.7769, 0.2126, 0.2693



25.2421, 0.5577, 0.3637

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.



44.7769, 0.4035, 0.4118



44.7769, 0.2126, 0.2693



44.7769, 0.4116, 0.3309

Square

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



44.7769, 0.2126, 0.2693



44.7769, 0.3129, 0.2587



44.7769, 0.4238, 0.3744



44.7769, 0.3048, 0.4166

Rectangle

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



44.7769, 0.2126, 0.2693



44.7769, 0.2471, 0.2411



44.7769, 0.4238, 0.3744



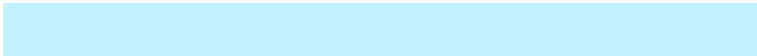
44.7769, 0.3759, 0.4273

Sweetspot

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



44.7785, 0.2126, 0.2693



81.6421, 0.2759, 0.3141



61.2823, 0.2900, 0.5406



16.9657, 0.2707, 0.3116



0.0000, 0.0000, 0.0000



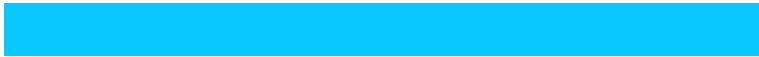
21.4041, 0.3127, 0.3290

Same Dimension

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



44.7785, 0.2126, 0.2693



48.3464, 0.2049, 0.2559



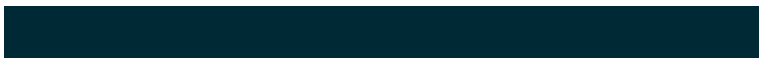
15.7762, 0.1768, 0.1338



16.5086, 0.2981, 0.3235



22.0875, 0.2040, 0.2542



1.8759, 0.2072, 0.2658

Inverse Universe

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



23.6656, 0.3721, 0.1948



25.6265, 0.3863, 0.1914



51.6030, 0.4578, 0.4553



15.2519, 0.3173, 0.3110



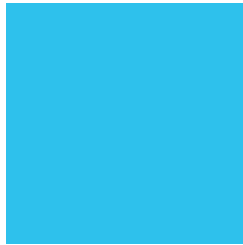
11.7226, 0.3880, 0.1911



0.9348, 0.3768, 0.1850

Previews

White Background



This preview shows how the Yxy color 44.7769, 0.2126, 0.2693 looks on a white background.

Color Contrast Check

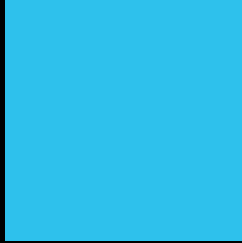
Large Text (above 18pt) WCAG AA × Fail

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 44.7769, 0.2126, 0.2693 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 44.7769, 0.2126, 0.2693

Background



This preview shows how black text looks on a background with the Yxy color 44.7769, 0.2126, 0.2693.

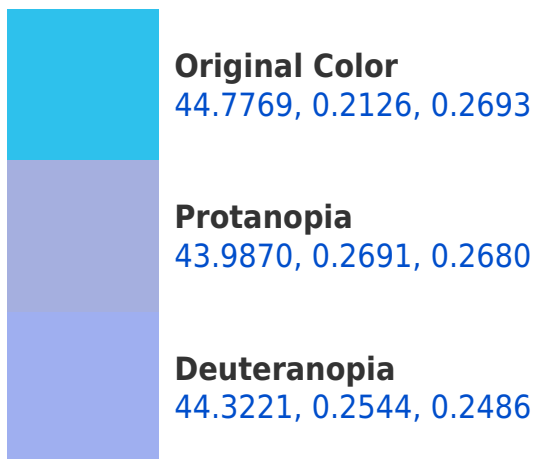


This preview shows how white text looks on a background with the Yxy color 44.7769, 0.2126, 0.2693.

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





Tritanopia

44.7366, 0.2181, 0.3051

Trichromacy



Original Color

44.7769, 0.2126, 0.2693



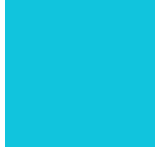
Protanomaly

43.1949, 0.2398, 0.2672



Deuteranomaly

43.5394, 0.2322, 0.2542



Tritanomaly

44.8195, 0.2156, 0.2926

Monochromacy



Original Color

44.7769, 0.2126, 0.2693



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.1108, 0.2576, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7769, 0.2126, 0.2693 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(46, 193, 236)` looks like.

```
.text, #text, p{  
    color:rgb(46, 193, 236)  
}
```

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(46, 193, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 193, 236) }
```

Border

The CSS property to change the border of an element to Yxy 44.7769, 0.2126, 0.2693 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(46, 193, 236) }
```

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

```
.border{ border-color:rgb(46, 193, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 193, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 193, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 193, 236);  
box-shadow:4px 4px 4px 4px rgb(46, 193,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7769, 0.2126, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 193, 236) }
```

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

```
.background{ background-color: rgb(46, 193,  
236) }
```

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