

Converting Colors

$Yxy(48.5158, 0.2163, 0.2753)$

Have a look what the booklet for
Yxy(48.5158, 0.2163, 0.2753)
contains.

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Color

Yxy(48.4994, 0.2161, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	3AC8F0
RGB	58, 200, 240
RGB Percent	23%, 78%, 94%
CMY	0.7728, 0.2157, 0.0588
CMYK	0.76, 0.17, 0.00, 0.06
HSL	193°, 86%, 58%
HSV	193°, 76%, 94%
XYZ	38.1256, 48.4994, 89.8006
YIQ	162.1020, -97.4720, -17.6640

Conversions

Conversions Part 2

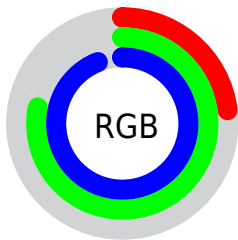
Format	Color
R _{YB}	58, 138, 240
Decimal	3852528
CIE Lab	75.14, -24.09, -30.42
CIE LCh	75, 38.807, 231.624
Yxy	48.4994, 0.2161, 0.2749
Android (android.graphics.Color)	4282042608 (0xFF3AC8F0)
YUV	162.1020, 38.4037, -91.2975
Hunter-Lab	69.6415, -24.1520, -27.7036

Details

The Yxy color **48.4994, 0.2161, 0.2749** 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 **27.5574, 0.5420, 0.3637**, and the grayscale version is **36.0251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **24.0185, 0.2059, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **45.5414, 0.2099, 0.2667**, and if you desaturate by 10%, it is **51.8798, 0.2243, 0.2831**.

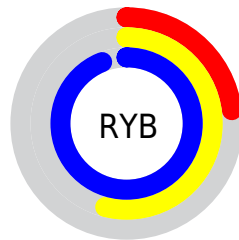
Distribution



Red (23%)

Green (78%)

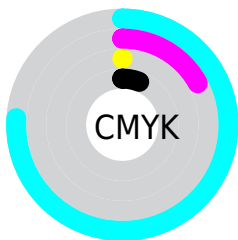
Blue (94%)



Red (23%)

Yellow (54%)

Blue (94%)

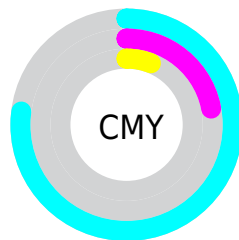


Cyan (76%)

Magenta (17%)

Yellow (0%)

Black (6%)



Cyan (77%)


Magenta (22%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4994, 0.2161, 0.2749 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 48.4994, 0.2161, 0.2749 by changing the saturation by 10% instead.


 48.4994, 0.2161,
0.2749

 48.4994, 0.2161,
0.2749


380.7682, 0.2618,
0.3026


 34.2225, 0.2056,
0.2679


 87.9475, 0.2321,
0.2850


 23.0646, 0.1926,
0.2591


 113.8875, 0.2383,
0.2888

 14.6412, 0.1763,
0.2474


 144.4841, 0.2436,
0.2920

 8.5680, 0.1554,
0.2314

 180.1215, 0.2482,
0.2948

 4.4605, 0.1280,
0.2088

221.1842, 0.2522,
0.2971

 1.9343, 0.0919,
0.1751

268.0567, 0.2558,

 0.5689, 0.0000,

0.2992

0.1227

321.1232, 0.2590,
0.3010

■ 0.0000, 0.0000,
0.0000

■ 48.4994, 0.2161,
0.2749

■ 48.4994, 0.2161,
0.2749

■ 45.5414, 0.2099,
0.2667

■ 51.8798, 0.2243,
0.2831

■ 42.9490, 0.2057,
0.2587


■ 55.7196, 0.2343,
0.2911


■ 41.9501, 0.2043,
0.2553

■ 60.0567, 0.2460,
0.2989


■ 64.9229, 0.2592,
0.3063

■ 70.3474, 0.2734,
0.3133

 76.3568, 0.2883,
0.3198

 82.9759, 0.3036,
0.3258

 90.2278, 0.3191,
0.3312

 94.3621, 0.3220,
0.3362

Harmonies

Analogous

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



48.4994, 0.2278, 0.3199



48.4994, 0.2161, 0.2749



48.4994, 0.2271, 0.2495

Triad

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



48.4994, 0.2161, 0.2749



48.4994, 0.3625, 0.2884



48.4994, 0.3621, 0.4258

Complementary

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



48.4994, 0.2161, 0.2749



27.5574, 0.5420, 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.



48.4994, 0.4030, 0.4062



48.4994, 0.2161, 0.2749



48.4994, 0.4050, 0.3273

Square

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



48.4994, 0.2161, 0.2749



48.4994, 0.3081, 0.2591



48.4994, 0.4197, 0.3694



48.4994, 0.3100, 0.4154

Rectangle

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



48.4994, 0.2161, 0.2749



48.4994, 0.2463, 0.2443



48.4994, 0.4197, 0.3694



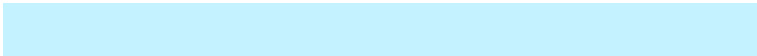
48.4994, 0.3777, 0.4221

Sweetspot

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



48.5011, 0.2161, 0.2749



82.5742, 0.2775, 0.3152



64.0968, 0.2897, 0.5293



17.1607, 0.2721, 0.3128



0.0000, 0.0000, 0.0000



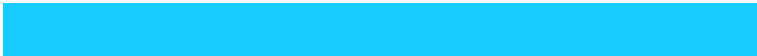
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5011, 0.2161, 0.2749



50.5928, 0.2074, 0.2623



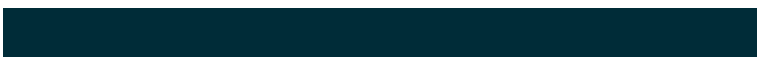
18.2391, 0.1825, 0.1448



17.3052, 0.2981, 0.3237



23.1662, 0.2046, 0.2567



2.0710, 0.2076, 0.2673

Inverse Universe

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



25.7178, 0.3664, 0.1968



26.2310, 0.3797, 0.1899



54.9811, 0.4509, 0.4526



15.9685, 0.3172, 0.3108



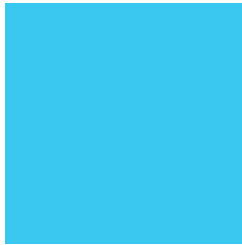
12.1320, 0.3857, 0.1898



1.0238, 0.3754, 0.1842

Previews

White Background



This preview shows how the Yxy color 48.4994, 0.2161, 0.2749 looks on a white background.

Color Contrast Check

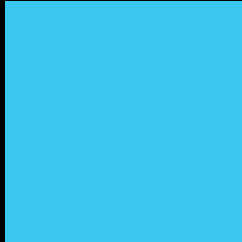
Large Text (above 18pt) WCAG AA × Fail

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 48.4994, 0.2161, 0.2749 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 48.4994, 0.2161, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 48.4994, 0.2161, 0.2749.

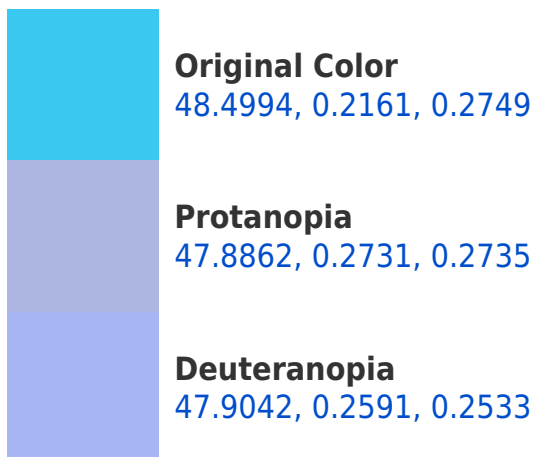


This preview shows how white text looks on a background with the Yxy color 48.4994, 0.2161, 0.2749.

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

48.3105, 0.2214, 0.3046

Trichromacy



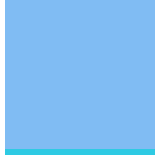
Original Color

48.4994, 0.2161, 0.2749



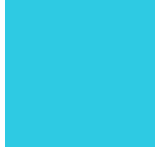
Protanomaly

47.0467, 0.2444, 0.2729



Deuteranomaly

47.0267, 0.2370, 0.2588



Tritanomaly

48.3680, 0.2194, 0.2939

Monochromacy



Original Color

48.4994, 0.2161, 0.2749



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.0535, 0.2615, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4994, 0.2161, 0.2749 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(58, 200, 240)` looks like.

```
.text, #text, p{  
    color:rgb(58, 200, 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(58, 200, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 200, 240) }
```

Border

The CSS property to change the border of an element to Yxy 48.4994, 0.2161, 0.2749 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(58, 200, 240) }
```

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

```
.border{ border-color:rgb(58, 200, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 200, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 200, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 200, 240);  
box-shadow:4px 4px 4px 4px rgb(58, 200,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4994, 0.2161, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 200, 240) }
```

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

```
.background{ background-color: rgb(58, 200,  
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](#).

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