

Converting Colors

$Y_{xy}(47.9262, 0.2188, 0.2710)$

Have a look what the booklet for
Yxy(47.9262, 0.2188, 0.2710)
contains.

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Color

Yxy(48.1555, 0.2188, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	49C6F1
RGB	73, 198, 241
RGB Percent	29%, 78%, 95%
CMY	0.7133, 0.2235, 0.0550
CMYK	0.70, 0.18, 0.00, 0.05
HSL	195°, 86%, 62%
HSV	195°, 70%, 95%
XYZ	38.8225, 48.1555, 90.4557
YIQ	165.5270, -88.3030, -13.1270

Conversions

Conversions Part 2

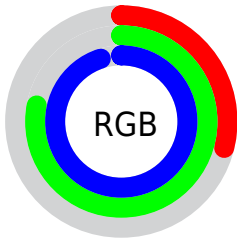
Format	Color
R _Y B	73, 145, 241
Decimal	4835057
CIE Lab	74.92, -20.93, -31.25
CIE LCh	75, 37.610, 236.190
Yxy	48.1555, 0.2188, 0.2714
Android (android.graphics.Color)	4283025137 (0xFF49C6F1)
YUV	165.5270, 37.2082, -81.1462
Hunter-Lab	69.3942, -21.5782, -28.7089

Details

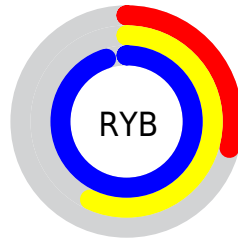
The Yxy color **48.1555, 0.2188, 0.2714** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.6937, 0.5111, 0.3704**, and the grayscale version is **37.7567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **23.4493, 0.2044, 0.2559** is the 20% darker color. If you saturate the color by 10%, you get **44.6259, 0.2109, 0.2617**, and if you desaturate by 10%, it is **52.1681, 0.2287, 0.2810**.

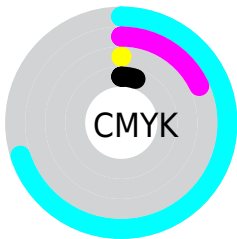
Distribution



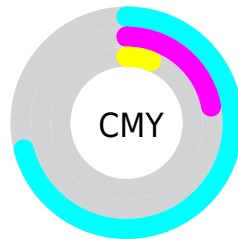
- Red (29%)
- Green (78%)
- Blue (95%)



- Red (29%)
- Yellow (57%)
- Blue (95%)



- Cyan (70%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)





- Cyan (71%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1555, 0.2188, 0.2714 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 48.1555, 0.2188, 0.2714 by changing the saturation by 10% instead.


 48.1555, 0.2188,
0.2714

 48.1555, 0.2188,
0.2714


 379.4082, 0.2634,
0.3007


 33.9500, 0.2085,
0.2641


 87.4359, 0.2344,
0.2820


 22.8552, 0.1958,
0.2549


 113.2796, 0.2404,
0.2860


 14.4866, 0.1799,
0.2428


 143.7715, 0.2456,
0.2894

 8.4599, 0.1593,
0.2263

 179.2961, 0.2501,
0.2923

 4.3906, 0.1322,
0.2032

 220.2376, 0.2540,
0.2948

 1.8944, 0.0963,
0.1691

 266.9805, 0.2575,

 0.5450, 0.0015,

0.2970

0.1158

319.9093, 0.2606,
0.2990

0.0000, 0.0000,
0.0000

48.1555, 0.2188,
0.2714

48.1555, 0.2188,
0.2714

44.6259, 0.2109,
0.2617

52.1681, 0.2287,
0.2810

41.5279, 0.2049,
0.2521

56.6975, 0.2403,
0.2903


38.7896, 0.2008,
0.2426


61.7796, 0.2534,
0.2992

38.7008, 0.2006,
0.2423


67.4454, 0.2675,
0.3076

73.7230, 0.2824,
0.3155

 80.6385, 0.2978,
0.3227

 88.2166, 0.3132,
0.3292

 94.3547, 0.3215,
0.3352

 98.1991, 0.3210,
0.3411

Harmonies

Analogous

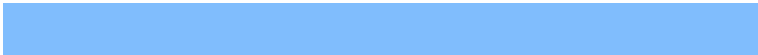
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1555, 0.2268, 0.3127



48.1555, 0.2188, 0.2714



48.1555, 0.2328, 0.2497

Triad

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



48.1555, 0.2188, 0.2714



48.1555, 0.3686, 0.2948



48.1555, 0.3536, 0.4236

Complementary

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



48.1555, 0.2188, 0.2714



31.6937, 0.5111, 0.3704

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.



48.1555, 0.3958, 0.4085



48.1555, 0.2188, 0.2714



48.1555, 0.4065, 0.3338

Square

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



48.1555, 0.2188, 0.2714



48.1555, 0.3163, 0.2644



48.1555, 0.4161, 0.3746



48.1555, 0.3025, 0.4083

Rectangle

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



48.1555, 0.2188, 0.2714



48.1555, 0.2536, 0.2465



48.1555, 0.4161, 0.3746



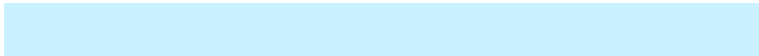
48.1555, 0.3693, 0.4215

Sweetspot

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



48.1572, 0.2188, 0.2714



82.7808, 0.2803, 0.3144



65.5623, 0.2874, 0.5051



17.2861, 0.2761, 0.3123



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.



48.1572, 0.2188, 0.2714



49.0650, 0.2079, 0.2573



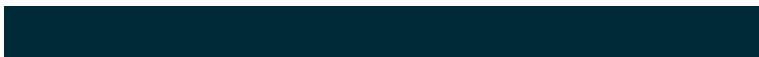
20.0497, 0.1897, 0.1535



17.2037, 0.2981, 0.3228



21.2175, 0.2011, 0.2438



1.9236, 0.2046, 0.2564

Inverse Universe

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



27.5545, 0.3685, 0.2078



27.0092, 0.3839, 0.1976



60.0349, 0.4360, 0.4521



15.9582, 0.3177, 0.3116



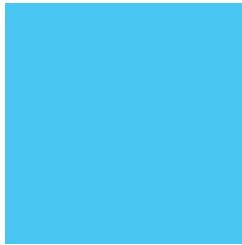
11.9353, 0.3984, 0.1968



1.0089, 0.3859, 0.1900

Previews

White Background



This preview shows how the Yxy color 48.1555, 0.2188, 0.2714 looks on a white background.

Color Contrast Check

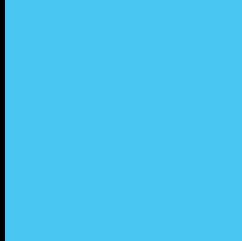
Large Text (above 18pt) WCAG AA × Fail

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 48.1555, 0.2188, 0.2714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

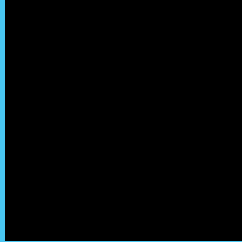
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

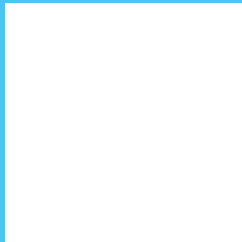
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1555, 0.2188, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 48.1555, 0.2188, 0.2714.

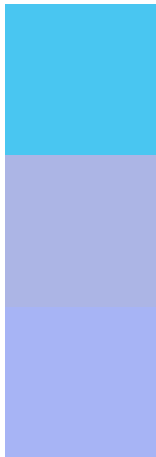


This preview shows how white text looks on a background with the Yxy color 48.1555, 0.2188, 0.2714.

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

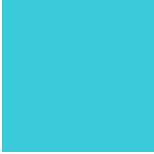
48.1555, 0.2188, 0.2714

Protanopia

47.4755, 0.2710, 0.2698

Deuteranopia

47.4506, 0.2577, 0.2508



Tritanopia

48.2026, 0.2255, 0.3061

Trichromacy



Original Color

48.1555, 0.2188, 0.2714

Protanomaly

46.6581, 0.2462, 0.2695

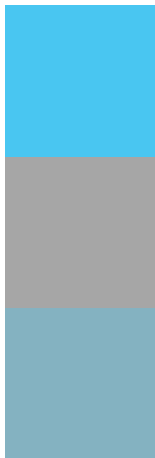
Deuteranomaly

47.0588, 0.2389, 0.2569

Tritanomaly

48.3210, 0.2231, 0.2940

Monochromacy



Original Color

48.1555, 0.2188, 0.2714

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.5966, 0.2654, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1555, 0.2188, 0.2714 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(73, 198, 241)` looks like.

```
.text, #text, p{  
    color:rgb(73, 198, 241)  
}
```

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(73, 198, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 198, 241) }
```

Border

The CSS property to change the border of an element to Yxy 48.1555, 0.2188, 0.2714 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(73, 198, 241) }
```

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

```
.border{ border-color:rgb(73, 198, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 198, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 198, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 198, 241); box-shadow:4px 4px 4px 4px rgb(73, 198, 241) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1555, 0.2188, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 198, 241) }
```

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

```
.background{ background-color: rgb(73, 198,  
241) }
```

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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