

Converting Colors

$Yxy(48.6761, 0.2175, 0.2740)$

Have a look what the booklet for
Yxy(48.6761, 0.2175, 0.2740)
contains.

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Color

Yxy(48.7832, 0.2174, 0.2739)

Conversions

Conversions Part 1

Format	Color
Hex	41C8F1
RGB	65, 200, 241
RGB Percent	25%, 78%, 95%
CMY	0.7444, 0.2157, 0.0549
CMYK	0.73, 0.17, 0.00, 0.05
HSL	194°, 86%, 60%
HSV	194°, 73%, 95%
XYZ	38.7202, 48.7832, 90.6025
YIQ	164.3090, -93.6210, -15.8690

Conversions

Conversions Part 2

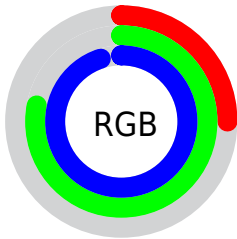
Format	Color
R _{YB}	65, 141, 241
Decimal	4311281
CIE Lab	75.32, -22.95, -30.67
CIE LCh	75, 38.308, 233.196
Yxy	48.7832, 0.2174, 0.2739
Android (android.graphics.Color)	4282501361 (0xFF41C8F1)
YUV	164.3090, 37.8087, -87.0940
Hunter-Lab	69.8450, -23.2730, -28.0191

Details

The Yxy color **48.7832, 0.2174, 0.2739** 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 **29.4332, 0.5281, 0.3665**, and the grayscale version is **37.1514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **24.0606, 0.2055, 0.2597** is the 20% darker color. If you saturate the color by 10%, you get **45.5717, 0.2105, 0.2652**, and if you desaturate by 10%, it is **52.4448, 0.2263, 0.2826**.

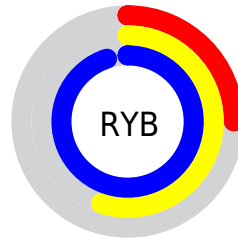
Distribution



Red (25%)

Green (78%)

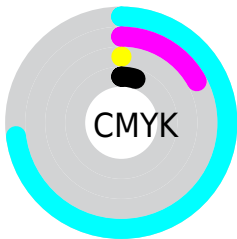
Blue (95%)



Red (25%)

Yellow (55%)

Blue (95%)

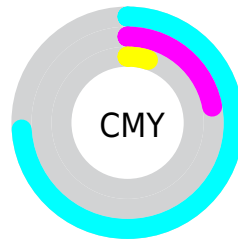


Cyan (73%)

Magenta (17%)

Yellow (0%)

Black (5%)



Cyan (74%)


Magenta (22%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7832, 0.2174, 0.2739 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 48.7832, 0.2174, 0.2739 by changing the saturation by 10% instead.


 48.7832, 0.2174,
0.2739

 48.7832, 0.2174,
0.2739


381.8882, 0.2625,
0.3020


 34.4475, 0.2070,
0.2669


 88.3694, 0.2331,
0.2842


 23.2376, 0.1942,
0.2579

 114.3887, 0.2393,
0.2880

 14.7691, 0.1782,
0.2462


 145.0713, 0.2445,
0.2912

 8.6575, 0.1575,
0.2302

 180.8016, 0.2491,
0.2940

 4.5184, 0.1305,
0.2076

221.9641, 0.2530,
0.2964

 1.9676, 0.0946,
0.1742

268.9431, 0.2566,

 0.5885, 0.0000,

0.2985

0.1236

322.1230, 0.2597,
0.3004

■ 0.0000, 0.0000,
0.0000

■ 48.7832, 0.2174,
0.2739

■ 48.7832, 0.2174,
0.2739

■ 45.5717, 0.2105,
0.2652

■ 52.4448, 0.2263,
0.2826

■ 42.7560, 0.2055,
0.2565

■ 56.5920, 0.2371,
0.2911

■ 40.9607, 0.2029,
0.2505

■ 61.2618, 0.2494,
0.2993

■ 66.4857, 0.2630,
0.3071

■ 72.2925, 0.2776,
0.3144

■ 78.7086, 0.2927,
0.3211

■ 85.7588, 0.3081,
0.3273

■ 92.8976, 0.3216,
0.3329

■ 96.3508, 0.3212,
0.3383

Harmonies

Analogous

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



48.7832, 0.2278, 0.3174



48.7832, 0.2174, 0.2739



48.7832, 0.2294, 0.2499

Triad

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



48.7832, 0.2174, 0.2739



48.7832, 0.3645, 0.2908



48.7832, 0.3590, 0.4247

Complementary

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



48.7832, 0.2174, 0.2739



29.4332, 0.5281, 0.3665

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.



48.7832, 0.4001, 0.4067



48.7832, 0.2174, 0.2739



48.7832, 0.4051, 0.3296

Square

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



48.7832, 0.2174, 0.2739



48.7832, 0.3110, 0.2612



48.7832, 0.4180, 0.3711



48.7832, 0.3074, 0.4126

Rectangle

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



48.7832, 0.2174, 0.2739



48.7832, 0.2491, 0.2454



48.7832, 0.4180, 0.3711



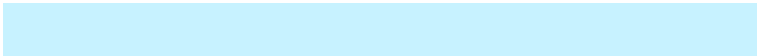
48.7832, 0.3745, 0.4215

Sweetspot

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



48.7849, 0.2174, 0.2739



82.8008, 0.2789, 0.3150



65.0315, 0.2896, 0.5215



17.3205, 0.2749, 0.3131



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.



48.7849, 0.2174, 0.2739



50.0525, 0.2076, 0.2606



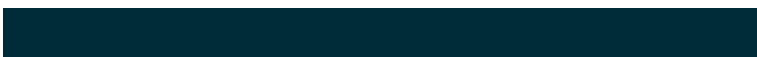
19.7401, 0.1866, 0.1522



17.2673, 0.2981, 0.3234



22.4257, 0.2033, 0.2519



2.0152, 0.2065, 0.2632

Inverse Universe

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



26.6722, 0.3668, 0.2013



26.5144, 0.3812, 0.1927



56.4303, 0.4462, 0.4503



15.9646, 0.3174, 0.3111



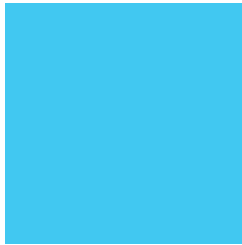
12.0572, 0.3904, 0.1924



1.0181, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 48.7832, 0.2174, 0.2739 looks on a white background.

Color Contrast Check

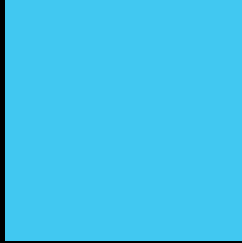
Large Text (above 18pt) WCAG AA × Fail

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 48.7832, 0.2174, 0.2739 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 48.7832, 0.2174, 0.2739

Background



This preview shows how black text looks on a background with the Yxy color 48.7832, 0.2174, 0.2739.



This preview shows how white text looks on a background with the Yxy color 48.7832, 0.2174, 0.2739.

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

48.7832, 0.2174, 0.2739

Protanopia

47.9416, 0.2725, 0.2723

Deuteranopia

47.9652, 0.2585, 0.2522



Tritanopia

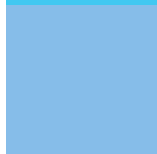
49.0060, 0.2235, 0.3062

Trichromacy



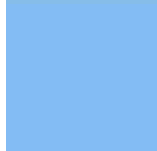
Original Color

48.7832, 0.2174, 0.2739



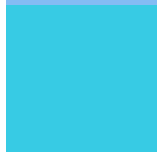
Protanomaly

47.3467, 0.2455, 0.2720



Deuteranomaly

47.3234, 0.2381, 0.2580



Tritanomaly

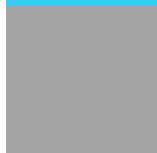
49.1255, 0.2212, 0.2942

Monochromacy



Original Color

48.7832, 0.2174, 0.2739



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.8392, 0.2631, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7832, 0.2174, 0.2739 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(65, 200, 241)` looks like.

```
.text, #text, p{  
    color:rgb(65, 200, 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(65, 200, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 200, 241) }
```

Border

The CSS property to change the border of an element to Yxy 48.7832, 0.2174, 0.2739 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(65, 200, 241) }
```

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

```
.border{ border-color:rgb(65, 200, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 200, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 200, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 200, 241);  
box-shadow:4px 4px 4px 4px rgb(65, 200,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7832, 0.2174, 0.2739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 200, 241) }
```

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

```
.background{ background-color: rgb(65, 200,  
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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