

Converting Colors

$Yxy(38.6296, 0.2125, 0.2678)$

Have a look what the booklet for
Yxy(38.6296, 0.2125, 0.2678)
contains.

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Color

Yxy(38.4743, 0.2124, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	2DB4DE
RGB	45, 180, 222
RGB Percent	18%, 71%, 87%
CMY	0.8242, 0.2941, 0.1293
CMYK	0.80, 0.19, 0.00, 0.13
HSL	194°, 73%, 52%
HSV	194°, 80%, 87%
XYZ	30.5836, 38.4743, 74.9327
YIQ	144.4230, -93.9420, -15.5580

Conversions

Conversions Part 2

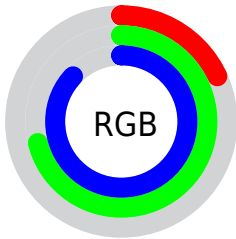
Format	Color
R _Y B	45, 122, 222
Decimal	2995422
CIE Lab	68.37, -21.03, -31.11
CIE LCh	68, 37.556, 235.942
Yxy	38.4743, 0.2124, 0.2672
Android (android.graphics.Color)	4281185502 (0xFF2DB4DE)
YUV	144.4230, 38.2455, -87.1940
Hunter-Lab	62.0277, -20.5364, -28.2061

Details

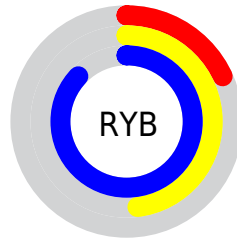
The Yxy color **38.4743, 0.2124, 0.2672** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **22.5088, 0.5526, 0.3659**, and the grayscale version is **27.9211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1328, 0.2397, 0.3064**, and **17.9688, 0.2029, 0.2503** is the 20% darker color. If you saturate the color by 10%, you get **36.0144, 0.2067, 0.2584**, and if you desaturate by 10%, it is **41.2817, 0.2201, 0.2761**.

Distribution



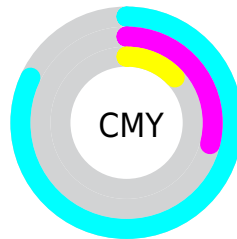
- Red (18%)
- Green (71%)
- Blue (87%)



- Red (18%)
- Yellow (48%)
- Blue (87%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)




- Cyan (82%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4743, 0.2124, 0.2672 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 38.4743, 0.2124, 0.2672 by changing the saturation by 10% instead.

 38.4743, 0.2124,
0.2672


 38.4743, 0.2124,
0.2672


339.6502, 0.2617,
0.2998

 26.3510, 0.2006,
0.2588


 72.8345, 0.2300,
0.2793

 17.0864, 0.1859,
0.2478


 95.8403, 0.2367,
0.2838

 10.2961, 0.1671,
0.2331


 123.2423, 0.2424,
0.2875

 5.5957, 0.1425,
0.2127

 155.4250, 0.2473,
0.2907

 2.6009, 0.1099,
0.1831

 192.7727, 0.2516,
0.2935

 0.9271, 0.0555,
0.1401

235.6699, 0.2554,

 0.0000, 0.0000,

0.2958

0.0000

284.5009, 0.2587,
0.2979

■ 38.4743, 0.2124,
0.2672

■ 38.4743, 0.2124,
0.2672

■ 36.0144, 0.2067,
0.2584

■ 41.2817, 0.2201,
0.2761

■ 33.8342, 0.2027,
0.2497

■ 44.4699, 0.2297,
0.2848

■ 33.7945, 0.2027,
0.2495

■ 48.0719, 0.2410,
0.2933

■ 52.1156, 0.2538,
0.3015

■ 56.6258, 0.2677,
0.3093

■ 61.6257, 0.2824,
0.3165

■ 67.1362, 0.2976,
0.3231

■ 73.1774, 0.3130,
0.3291

■ 79.7678, 0.3283,
0.3345

Harmonies

Analogous

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



38.4743, 0.2210, 0.3115



38.4743, 0.2124, 0.2672



38.4743, 0.2270, 0.2442

Triad

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



38.4743, 0.2124, 0.2672



38.4743, 0.3724, 0.2920



38.4743, 0.3566, 0.4310

Complementary

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



38.4743, 0.2124, 0.2672



22.5088, 0.5526, 0.3659

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.



38.4743, 0.4019, 0.4137



38.4743, 0.2124, 0.2672



38.4743, 0.4135, 0.3333

Square

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



38.4743, 0.2124, 0.2672



38.4743, 0.3159, 0.2598



38.4743, 0.4239, 0.3768



38.4743, 0.3018, 0.4152

Rectangle

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



38.4743, 0.2124, 0.2672



38.4743, 0.2490, 0.2409



38.4743, 0.4239, 0.3768



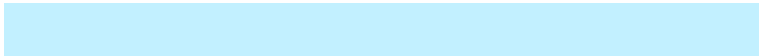
38.4743, 0.3735, 0.4284

Sweetspot

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



38.4757, 0.2124, 0.2672



81.2731, 0.2759, 0.3134



53.4800, 0.2888, 0.5348



16.8761, 0.2706, 0.3108



0.0000, 0.0000, 0.0000



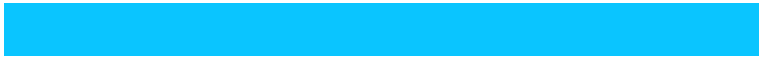
21.4041, 0.3127, 0.3290

Same Dimension

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



38.4757, 0.2124, 0.2672



47.2037, 0.2039, 0.2524



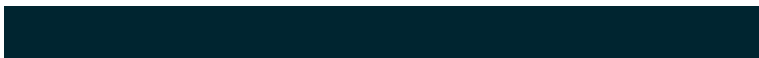
13.4957, 0.1768, 0.1318



14.9928, 0.2982, 0.3233



20.2491, 0.2030, 0.2508



1.5381, 0.2068, 0.2643

Inverse Universe

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



20.6912, 0.3739, 0.1969



25.5112, 0.3897, 0.1933



46.2888, 0.4536, 0.4576



13.8772, 0.3174, 0.3113



10.9522, 0.3914, 0.1930



0.7727, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 38.4743, 0.2124, 0.2672 looks on a white background.

Color Contrast Check

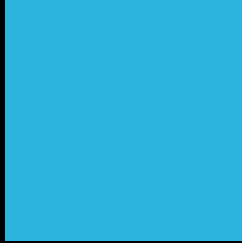
Large Text (above 18pt) WCAG AA × Fail

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 38.4743, 0.2124, 0.2672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

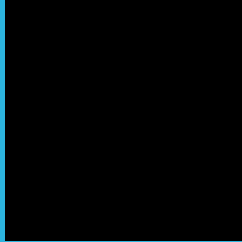
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4743, 0.2124, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 38.4743, 0.2124, 0.2672.



This preview shows how white text looks on a background with the Yxy color 38.4743, 0.2124, 0.2672.

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

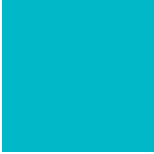
38.4743, 0.2124, 0.2672

Protanopia

38.0741, 0.2681, 0.2670

Deuteranopia

37.8884, 0.2524, 0.2461



Tritanopia

38.4045, 0.2181, 0.3052

Trichromacy



Original Color

38.4743, 0.2124, 0.2672



Protanomaly

37.1819, 0.2395, 0.2662



Deuteranomaly

37.1272, 0.2312, 0.2510



Tritanomaly

38.4821, 0.2155, 0.2919

Monochromacy



Original Color

38.4743, 0.2124, 0.2672



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.2806, 0.2582, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4743, 0.2124, 0.2672 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(45, 180, 222)` looks like.

```
.text, #text, p{  
  color:rgb(45, 180, 222)  
}
```

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(45, 180, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 180, 222) }
```

Border

The CSS property to change the border of an element to Yxy 38.4743, 0.2124, 0.2672 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(45, 180, 222) }
```

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

```
.border{ border-color:rgb(45, 180, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 180, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 180, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 180, 222);  
box-shadow:4px 4px 4px 4px rgb(45, 180,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4743, 0.2124, 0.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 180, 222) }
```

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

```
.background{ background-color: rgb(45, 180,  
222) }
```

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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