

Converting Colors

$Yxy(38.1504, 0.2090, 0.2630)$

Have a look what the booklet for
Yxy(38.1504, 0.2090, 0.2630)
contains.

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Color

Yxy(38.3314, 0.2094, 0.2643)

Conversions

Conversions Part 1

Format	Color
Hex	20B4E0
RGB	32, 180, 224
RGB Percent	13%, 71%, 88%
CMY	0.8751, 0.2941, 0.1215
CMYK	0.86, 0.20, 0.00, 0.12
HSL	194°, 76%, 50%
HSV	194°, 86%, 88%
XYZ	30.3693, 38.3314, 76.3292
YIQ	140.7640, -102.3320, -17.6920

Conversions

Conversions Part 2

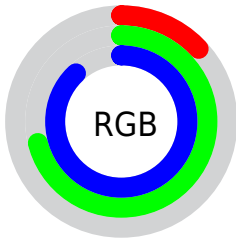
Format	Color
R _Y B	32, 116, 224
Decimal	2143456
CIE Lab	68.26, -21.38, -32.38
CIE LCh	68, 38.807, 236.562
Yxy	38.3314, 0.2094, 0.2643
Android (android.graphics.Color)	4280333536 (0xFF20B4E0)
YUV	140.7640, 41.0353, -95.3860
Hunter-Lab	61.9124, -20.7888, -29.7576

Details

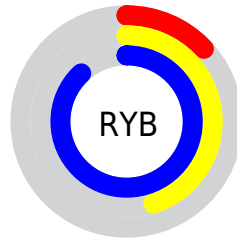
The Yxy color **38.3314, 0.2094, 0.2643** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **21.1040, 0.5755, 0.3617**, and the grayscale version is **26.3903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7883, 0.2379, 0.3062**, and **18.0433, 0.2020, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **36.0555, 0.2050, 0.2559**, and if you desaturate by 10%, it is **40.9296, 0.2158, 0.2728**.

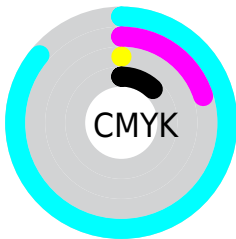
Distribution



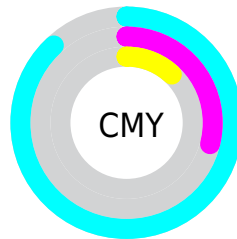
- Red (13%)
- Green (71%)
- Blue (88%)



- Red (13%)
- Yellow (45%)
- Blue (88%)



- Cyan (86%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)





- Cyan (88%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3314, 0.2094, 0.2643 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 38.3314, 0.2094, 0.2643 by changing the saturation by 10% instead.


 38.3314, 0.2094,
0.2643


 38.3314, 0.2094,
0.2643


339.0395, 0.2600,
0.2983


 26.2400, 0.1974,
0.2555


 72.6158, 0.2274,
0.2769

 17.0033, 0.1823,
0.2441

 95.5776, 0.2343,
0.2816

 10.2368, 0.1632,
0.2289


 122.9316, 0.2402,
0.2855

 5.5563, 0.1383,
0.2078

 155.0623, 0.2452,
0.2889

 2.5772, 0.1055,
0.1775

 192.3541, 0.2497,
0.2917

 0.9152, 0.0509,
0.1341

235.1912, 0.2535,

 0.0000, 0.0000,

0.2942

0.0000

283.9582, 0.2570,
0.2964

■ 38.3314, 0.2094,
0.2643

■ 38.3314, 0.2094,
0.2643

■ 36.0555, 0.2050,
0.2559

■ 40.9296, 0.2158,
0.2728

■ 35.1587, 0.2034,
0.2523

■ 43.8895, 0.2241,
0.2813

■ 47.2479, 0.2343,
0.2897

■ 51.0353, 0.2461,
0.2978

■ 55.2788, 0.2593,
0.3055

■ 60.0030, 0.2736,
0.3128

■ 65.2304, 0.2885,
0.3195

■ 70.9820, 0.3038,
0.3257

■ 77.2776, 0.3192,
0.3313

Harmonies

Analogous

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



38.3314, 0.2177, 0.3095



38.3314, 0.2094, 0.2643



38.3314, 0.2249, 0.2413

Triad

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



38.3314, 0.2094, 0.2643



38.3314, 0.3755, 0.2915



38.3314, 0.3567, 0.4347

Complementary

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



38.3314, 0.2094, 0.2643



21.1040, 0.5755, 0.3617

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.



38.3314, 0.4040, 0.4170



38.3314, 0.2094, 0.2643



38.3314, 0.4176, 0.3341

Square

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



38.3314, 0.2094, 0.2643



38.3314, 0.3172, 0.2583



38.3314, 0.4275, 0.3789



38.3314, 0.3001, 0.4178

Rectangle

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



38.3314, 0.2094, 0.2643



38.3314, 0.2478, 0.2382



38.3314, 0.4275, 0.3789



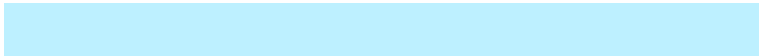
38.3314, 0.3743, 0.4320

Sweetspot

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



38.3327, 0.2094, 0.2643



80.2121, 0.2730, 0.3125



54.1120, 0.2908, 0.5526



16.6814, 0.2679, 0.3100



0.0000, 0.0000, 0.0000



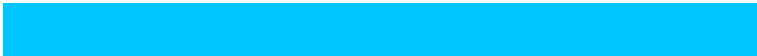
21.4041, 0.3127, 0.3290

Same Dimension

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



38.3327, 0.2094, 0.2643



46.9704, 0.2033, 0.2518



12.3917, 0.1709, 0.1217



15.0121, 0.2982, 0.3235



20.6433, 0.2038, 0.2536



1.5624, 0.2074, 0.2666

Inverse Universe

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



20.1708, 0.3774, 0.1927



25.2728, 0.3905, 0.1925



44.5422, 0.4650, 0.4573



13.8791, 0.3173, 0.3111



10.9920, 0.3886, 0.1915



0.7752, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 38.3314, 0.2094, 0.2643 looks on a white background.

Color Contrast Check

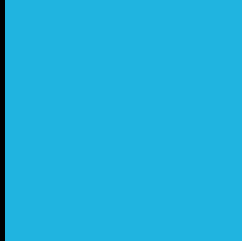
Large Text (above 18pt) WCAG AA × Fail

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 38.3314, 0.2094, 0.2643 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 38.3314, 0.2094, 0.2643

Background



This preview shows how black text looks on a background with the Yxy color 38.3314, 0.2094, 0.2643.



This preview shows how white text looks on a background with the Yxy color 38.3314, 0.2094, 0.2643.

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

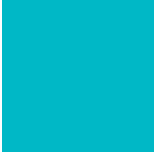
38.3314, 0.2094, 0.2643

Protanopia

37.7202, 0.2658, 0.2630

Deuteranopia

37.8156, 0.2498, 0.2436



Tritanopia

38.3582, 0.2185, 0.3067

Trichromacy



Original Color

38.3314, 0.2094, 0.2643



Protanomaly

36.5850, 0.2353, 0.2618



Deuteranomaly

36.8650, 0.2271, 0.2480



Tritanomaly

38.4501, 0.2152, 0.2918

Monochromacy



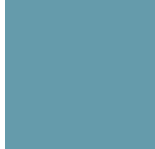
Original Color

38.3314, 0.2094, 0.2643



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.1497, 0.2534, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3314, 0.2094, 0.2643 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(32, 180, 224)` looks like.

```
.text, #text, p{  
    color:rgb(32, 180, 224)  
}
```

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(32, 180, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 180, 224) }
```

Border

The CSS property to change the border of an element to Yxy 38.3314, 0.2094, 0.2643 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(32, 180, 224) }
```

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

```
.border{ border-color:rgb(32, 180, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 180, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 180, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 180, 224);  
box-shadow:4px 4px 4px 4px rgb(32, 180,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3314, 0.2094, 0.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 180, 224) }
```

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

```
.background{ background-color: rgb(32, 180,  
224) }
```

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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