

Converting Colors

$Yxy(38.5148, 0.2063, 0.2564)$

Have a look what the booklet for
Yxy(38.5148, 0.2063, 0.2564)
contains.

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Color

Yxy(38.5624, 0.2064, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	19B4E6
RGB	25, 180, 230
RGB Percent	10%, 71%, 90%
CMY	0.9011, 0.2941, 0.0981
CMYK	0.89, 0.22, 0.00, 0.10
HSL	195°, 80%, 50%
HSV	195°, 89%, 90%
XYZ	31.0062, 38.5624, 80.6551
YIQ	139.3550, -108.4300, -17.3100

Conversions

Conversions Part 2

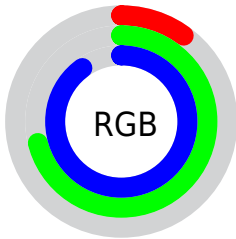
Format	Color
R _Y B	25, 113, 230
Decimal	1684710
CIE Lab	68.43, -19.74, -35.39
CIE LCh	68, 40.521, 240.847
Yxy	38.5624, 0.2064, 0.2567
Android (android.graphics.Color)	4279874790 (0xFF19B4E6)
YUV	139.3550, 44.6880, -100.2893
Hunter-Lab	62.0986, -19.5467, -33.5381

Details

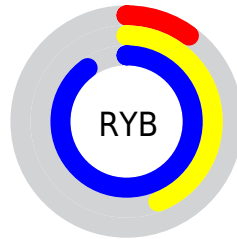
The Yxy color **38.5624, 0.2064, 0.2567** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **21.9508, 0.5831, 0.3623**, and the grayscale version is **25.8448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7216, 0.2375, 0.3062**, and **18.2347, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **36.1476, 0.2023, 0.2477**, and if you desaturate by 10%, it is **41.3008, 0.2123, 0.2658**.

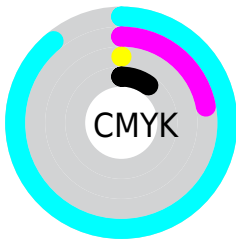
Distribution



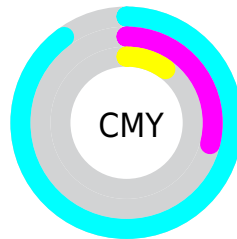
- Red (10%)
- Green (71%)
- Blue (90%)



- Red (10%)
- Yellow (44%)
- Blue (90%)



- Cyan (89%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)





- Cyan (90%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5624, 0.2064, 0.2567 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 38.5624, 0.2064, 0.2567 by changing the saturation by 10% instead.


 38.5624, 0.2064,
0.2567


 38.5624, 0.2064,
0.2567


340.0264, 0.2583,
0.2943

 26.4195, 0.1942,
0.2471


 72.9693, 0.2248,
0.2706

 17.1377, 0.1789,
0.2349


 96.0021, 0.2318,
0.2757


 10.3327, 0.1597,
0.2187


 123.4337, 0.2379,
0.2801

 5.6201, 0.1348,
0.1965

 155.6484, 0.2431,
0.2838

 2.6155, 0.1024,
0.1654

 193.0306, 0.2476,
0.2869

 0.9345, 0.0528,
0.1217

235.9647, 0.2516,

 0.0000, 0.0000,

0.2897

0.0000

284.8352, 0.2551,
0.2922

■ 38.5624, 0.2064,
0.2567

■ 38.5624, 0.2064,
0.2567

■ 36.1476, 0.2023,
0.2477

■ 41.3008, 0.2123,
0.2658

■ 35.9227, 0.2019,
0.2468

■ 44.4205, 0.2202,
0.2750

■ 47.9634, 0.2301,
0.2840

■ 51.9635, 0.2416,
0.2928

■ 56.4510, 0.2546,
0.3013

■ 61.4532, 0.2687,
0.3092

■ 66.9948, 0.2835,
0.3166

■ 73.0990, 0.2988,
0.3234

■ 79.7874, 0.3142,
0.3296

Harmonies

Analogous

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



38.5624, 0.2113, 0.3005



38.5624, 0.2064, 0.2567



38.5624, 0.2258, 0.2364

Triad

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



38.5624, 0.2064, 0.2567



38.5624, 0.3860, 0.2959



38.5624, 0.3500, 0.4392

Complementary

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



38.5624, 0.2064, 0.2567



21.9508, 0.5831, 0.3623

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.



38.5624, 0.4016, 0.4246



38.5624, 0.2064, 0.2567



38.5624, 0.4257, 0.3406

Square

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



38.5624, 0.2064, 0.2567



38.5624, 0.3261, 0.2597



38.5624, 0.4307, 0.3867



38.5624, 0.2911, 0.4162

Rectangle

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



38.5624, 0.2064, 0.2567



38.5624, 0.2515, 0.2355



38.5624, 0.4307, 0.3867



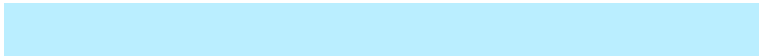
38.5624, 0.3688, 0.4380

Sweetspot

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



38.5637, 0.2064, 0.2567



78.9400, 0.2714, 0.3106



57.2721, 0.2904, 0.5563



16.4062, 0.2664, 0.3080



0.0000, 0.0000, 0.0000



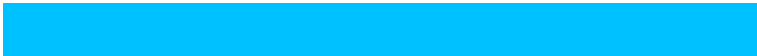
21.4041, 0.3127, 0.3290

Same Dimension

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



38.5637, 0.2064, 0.2567



45.2519, 0.2018, 0.2463



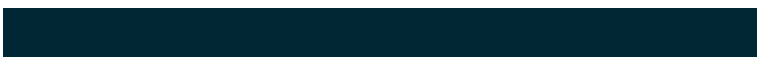
11.6337, 0.1665, 0.1104



15.7090, 0.2981, 0.3231



20.5425, 0.2023, 0.2483



1.6607, 0.2060, 0.2614

Inverse Universe

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



20.8197, 0.3850, 0.1945



25.0993, 0.3959, 0.1955



47.6978, 0.4658, 0.4608



14.5519, 0.3175, 0.3114



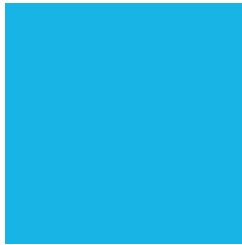
11.2715, 0.3940, 0.1944



0.8473, 0.3810, 0.1873

Previews

White Background



This preview shows how the Yxy color 38.5624, 0.2064, 0.2567 looks on a white background.

Color Contrast Check

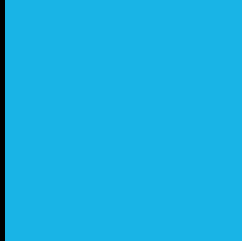
Large Text (above 18pt) WCAG AA × Fail

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 38.5624, 0.2064, 0.2567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

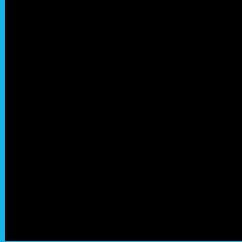
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5624, 0.2064, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 38.5624, 0.2064, 0.2567.

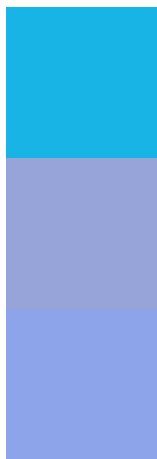


This preview shows how white text looks on a background with the Yxy color 38.5624, 0.2064, 0.2567.

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

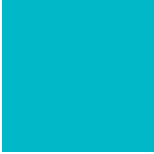
38.5624, 0.2064, 0.2567

Protanopia

38.1922, 0.2605, 0.2571

Deuteranopia

38.1542, 0.2438, 0.2379



Tritanopia

38.4045, 0.2181, 0.3052

Trichromacy



Original Color

38.5624, 0.2064, 0.2567



Protanomaly

37.0266, 0.2304, 0.2555



Deuteranomaly

37.2853, 0.2223, 0.2421



Tritanomaly

38.5782, 0.2138, 0.2875

Monochromacy



Original Color

38.5624, 0.2064, 0.2567



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.6864, 0.2503, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5624, 0.2064, 0.2567 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(25, 180, 230)` looks like.

```
.text, #text, p{  
    color:rgb(25, 180, 230)  
}
```

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(25, 180, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 180, 230) }
```

Border

The CSS property to change the border of an element to Yxy 38.5624, 0.2064, 0.2567 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(25, 180, 230) }
```

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

```
.border{ border-color:rgb(25, 180, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 180, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 180, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 180, 230);  
box-shadow:4px 4px 4px 4px rgb(25, 180,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5624, 0.2064, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 180, 230) }
```

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

```
.background{ background-color: rgb(25, 180,  
230) }
```

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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