

Converting Colors

$Y_{xy}(40.3584, 0.2043, 0.2280)$

Have a look what the booklet for
Yxy(40.3584, 0.2043, 0.2280)
contains.

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Color

Yxy(40.5170, 0.2043, 0.2286)

Conversions

Conversions Part 1

Format	Color
Hex	3FB3FF
RGB	63, 179, 255
RGB Percent	25%, 70%, 100%
CMY	0.7536, 0.2980, 0.0000
CMYK	0.75, 0.30, 0.00, 0.00
HSL	204°, 100%, 62%
HSV	204°, 75%, 100%
XYZ	36.2101, 40.5170, 100.5126
YIQ	152.9800, -93.5320, -0.9560

Conversions

Conversions Part 2

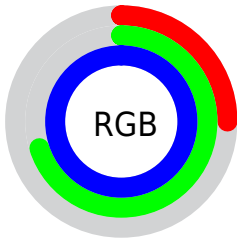
Format	Color
R _{YB}	63, 135, 255
Decimal	4174847
CIE _{Lab}	69.84, -7.52, -46.74
CIE _{LCh}	70, 47.345, 260.863
Yxy	40.5170, 0.2043, 0.2286
Android (android.graphics.Color)	4282364927 (0xFF3FB3FF)
YUV	152.9800, 50.2959, -78.9125
Hunter-Lab	63.6530, -9.8499, -49.0661

Details

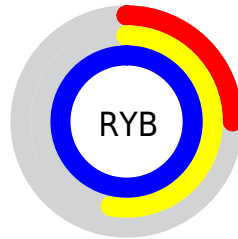
The Yxy color **40.5170, 0.2043, 0.2286** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **40.0233, 0.5080, 0.3961**, and the grayscale version is **31.6348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7876, 0.2458, 0.3055**, and **19.2560, 0.1907, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **35.9716, 0.1955, 0.2131**, and if you desaturate by 10%, it is **45.7485, 0.2152, 0.2442**.

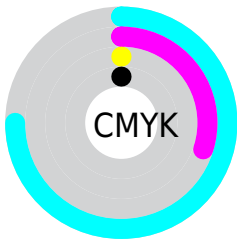
Distribution



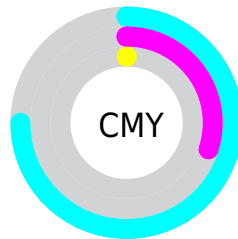
- Red (25%)
- Green (70%)
- Blue (100%)



- Red (25%)
- Yellow (53%)
- Blue (100%)



- Cyan (75%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5170, 0.2043, 0.2286 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 40.5170, 0.2043, 0.2286 by changing the saturation by 10% instead.


 40.5170, 0.2043,
0.2286


 40.5170, 0.2043,
0.2286


348.2979, 0.2565,
0.2780

 27.9419, 0.1923,
0.2169


 75.9501, 0.2226,
0.2462


 18.2818, 0.1775,
0.2024


 99.5769, 0.2297,
0.2529

 11.1525, 0.1590,
0.1840


 127.6564, 0.2357,
0.2586

 6.1695, 0.1357,
0.1604

 160.5730, 0.2410,
0.2636

 2.9484, 0.1060,
0.1295

198.7110, 0.2456,
0.2679

 1.1049, 0.0692,
0.0897

242.4549, 0.2497,

 0.0000, 0.0000,

0.2717

0.0000

292.1891, 0.2533,
0.2750

■ 40.5170, 0.2043,
0.2286

■ 40.5170, 0.2043,
0.2286

■ 35.9716, 0.1955,
0.2131

■ 45.7485, 0.2152,
0.2442

■ 32.0433, 0.1890,
0.1981

■ 51.7157, 0.2279,
0.2594

■ 30.3900, 0.1865,
0.1912

■ 58.4665, 0.2420,
0.2742

■ 66.0428, 0.2572,
0.2881

■ 74.4828, 0.2728,
0.3011

■ 83.8217, 0.2887,
0.3129

■ 94.0925, 0.3044,
0.3237

■ 99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



40.5170, 0.1915, 0.2594



40.5170, 0.2043, 0.2286



40.5170, 0.2429, 0.2236

Triad

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



40.5170, 0.2043, 0.2286



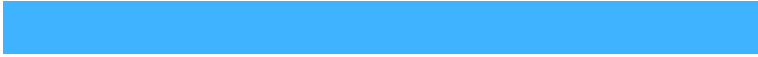
40.5170, 0.4315, 0.3235



40.5170, 0.3090, 0.4448

Complementary

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



40.5170, 0.2043, 0.2286



40.0233, 0.5080, 0.3961

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.



40.5170, 0.3754, 0.4542



40.5170, 0.2043, 0.2286



40.5170, 0.4506, 0.3756

Square

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



40.5170, 0.2043, 0.2286



40.5170, 0.3750, 0.2761



40.5170, 0.4281, 0.4240



40.5170, 0.2471, 0.3899

Rectangle

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



40.5170, 0.2043, 0.2286



40.5170, 0.2816, 0.2328



40.5170, 0.4281, 0.4240



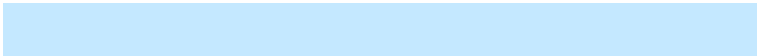
40.5170, 0.3315, 0.4534

Sweetspot

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



40.5184, 0.2043, 0.2286



76.6104, 0.2766, 0.3040



74.3579, 0.2777, 0.4884



15.7069, 0.2709, 0.2995



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.



40.5184, 0.2043, 0.2286



34.0791, 0.1922, 0.2061



14.8066, 0.1738, 0.1102



19.2054, 0.2979, 0.3194



16.1801, 0.1871, 0.1937



1.7887, 0.1919, 0.2107

Inverse Universe

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



28.0500, 0.4106, 0.2252



24.6668, 0.4375, 0.2233



79.6520, 0.4258, 0.4767



18.1716, 0.3199, 0.3147



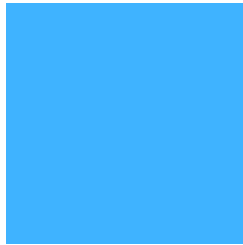
12.3614, 0.4525, 0.2266



1.2251, 0.4334, 0.2161

Previews

White Background



This preview shows how the Yxy color 40.5170, 0.2043, 0.2286 looks on a white background.

Color Contrast Check

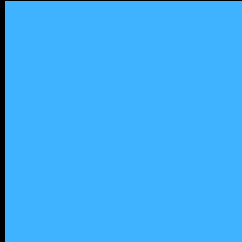
Large Text (above 18pt) WCAG AA × Fail

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 40.5170, 0.2043, 0.2286 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

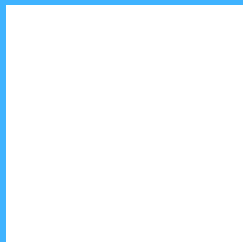
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5170, 0.2043, 0.2286

Background



This preview shows how black text looks on a background with the Yxy color 40.5170, 0.2043, 0.2286.

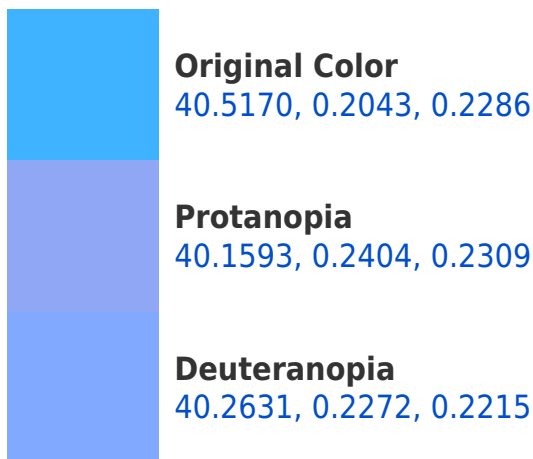


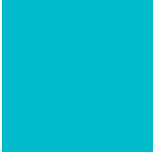
This preview shows how white text looks on a background with the Yxy color 40.5170, 0.2043, 0.2286.

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





Tritanopia

40.2782, 0.2182, 0.3056

Trichromacy



Original Color

40.5170, 0.2043, 0.2286

Protanomaly

39.5428, 0.2227, 0.2281

Deuteranomaly

40.1104, 0.2166, 0.2238

Tritanomaly

40.1540, 0.2112, 0.2745

Monochromacy



Original Color

40.5170, 0.2043, 0.2286

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.5514, 0.2558, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5170, 0.2043, 0.2286 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(63, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 179, 255)  
}
```

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(63, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.5170, 0.2043, 0.2286 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(63, 179, 255) }
```

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

```
.border{ border-color:rgb(63, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5170, 0.2043, 0.2286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 179, 255) }
```

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

```
.background{ background-color: rgb(63, 179,  
255) }
```

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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