

Converting Colors

$Y_{xy}(40.4373, 0.2053, 0.2286)$

Have a look what the booklet for
Yxy(40.4373, 0.2053, 0.2286)
contains.

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Color

Yxy(40.6535, 0.2054, 0.2288)

Conversions

Conversions Part 1

Format	Color
Hex	43B3FF
RGB	67, 179, 255
RGB Percent	26%, 70%, 100%
CMY	0.7364, 0.2981, 0.0000
CMYK	0.74, 0.30, 0.00, 0.00
HSL	204°, 100%, 63%
HSV	204°, 74%, 100%
XYZ	36.4958, 40.6535, 100.5321
YIQ	154.1760, -91.1480, -0.1080

Conversions

Conversions Part 2

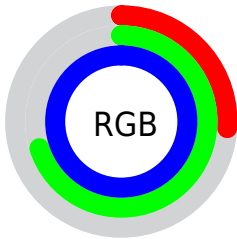
Format	Color
R _{YB}	67, 137, 255
Decimal	4436991
CIE Lab	69.93, -6.98, -46.59
CIE LCh	70, 47.111, 261.477
Yxy	40.6535, 0.2054, 0.2288
Android (android.graphics.Color)	4282627071 (0xFF43B3FF)
YUV	154.1760, 49.7062, -76.4534
Hunter-Lab	63.7601, -9.4082, -48.8519

Details

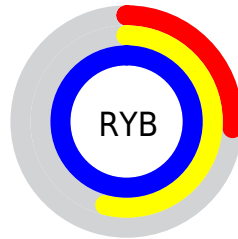
The Yxy color **40.6535, 0.2054, 0.2288** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **41.3854, 0.5007, 0.3976**, and the grayscale version is **32.2301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9550, 0.2466, 0.3056**, and **19.2560, 0.1907, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **35.9561, 0.1961, 0.2129**, and if you desaturate by 10%, it is **46.0599, 0.2168, 0.2447**.

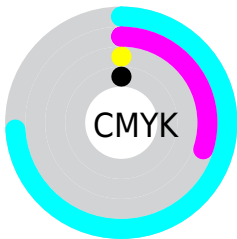
Distribution



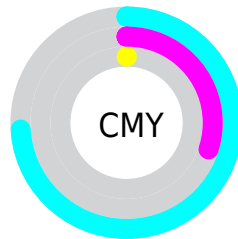
- Red (26%)
- Green (70%)
- Blue (100%)



- Red (26%)
- Yellow (54%)
- Blue (100%)



- Cyan (74%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6535, 0.2054, 0.2288 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 40.6535, 0.2054, 0.2288 by changing the saturation by 10% instead.


 40.6535, 0.2054,
0.2288


 40.6535, 0.2054,
0.2288


348.8703, 0.2571,
0.2781

 28.0484, 0.1935,
0.2172


 76.1576, 0.2235,
0.2463

 18.3622, 0.1788,
0.2027


 99.8255, 0.2305,
0.2530

 11.2103, 0.1605,
0.1844


 127.9497, 0.2365,
0.2587

 6.2085, 0.1373,
0.1609

 160.9147, 0.2418,
0.2637

 2.9723, 0.1077,
0.1301

199.1049, 0.2463,
0.2680

 1.1173, 0.0709,
0.0905

242.9046, 0.2503,

 0.0000, 0.0000,

0.2718

0.0000

292.6983, 0.2539,
0.2751

■ 40.6535, 0.2054,
0.2288

■ 40.6535, 0.2054,
0.2288

■ 35.9561, 0.1961,
0.2129

■ 46.0599, 0.2168,
0.2447

■ 31.9010, 0.1890,
0.1974

■ 52.2244, 0.2299,
0.2603

■ 29.6015, 0.1855,
0.1878

■ 59.1943, 0.2444,
0.2753

■ 67.0111, 0.2597,
0.2895

■ 75.7130, 0.2755,
0.3026

■ 85.3351, 0.2914,
0.3145

■ 95.9106, 0.3071,
0.3253

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



40.6535, 0.1921, 0.2589



40.6535, 0.2054, 0.2288



40.6535, 0.2443, 0.2243

Triad

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



40.6535, 0.2054, 0.2288



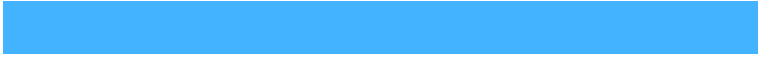
40.6535, 0.4316, 0.3246



40.6535, 0.3077, 0.4433

Complementary

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



40.6535, 0.2054, 0.2288



41.3854, 0.5007, 0.3976

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.



40.6535, 0.3738, 0.4538



40.6535, 0.2054, 0.2288



40.6535, 0.4498, 0.3765

Square

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



40.6535, 0.2054, 0.2288



40.6535, 0.3761, 0.2773



40.6535, 0.4267, 0.4244



40.6535, 0.2464, 0.3880

Rectangle

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



40.6535, 0.2054, 0.2288



40.6535, 0.2831, 0.2337



40.6535, 0.4267, 0.4244



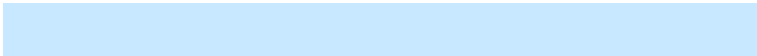
40.6535, 0.3301, 0.4522

Sweetspot

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



40.6547, 0.2054, 0.2288



77.2246, 0.2781, 0.3046



74.6843, 0.2764, 0.4801



15.9963, 0.2738, 0.3012



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.



40.6547, 0.2054, 0.2288



34.1121, 0.1928, 0.2061



15.0772, 0.1755, 0.1116



19.1756, 0.2979, 0.3191



15.7682, 0.1862, 0.1903



1.7499, 0.1910, 0.2077

Inverse Universe

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



28.5551, 0.4099, 0.2277



24.9052, 0.4372, 0.2248



81.7870, 0.4219, 0.4771



18.1686, 0.3201, 0.3149



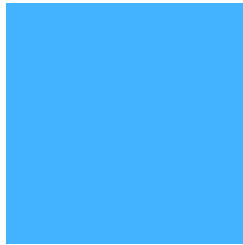
12.3198, 0.4564, 0.2288



1.2212, 0.4367, 0.2179

Previews

White Background



This preview shows how the Yxy color 40.6535, 0.2054, 0.2288 looks on a white background.

Color Contrast Check

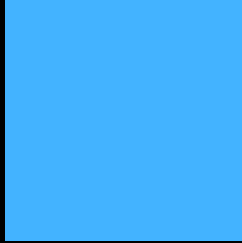
Large Text (above 18pt) WCAG AA × Fail

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 40.6535, 0.2054, 0.2288 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

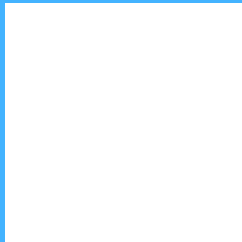
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6535, 0.2054, 0.2288

Background



This preview shows how black text looks on a background with the Yxy color 40.6535, 0.2054, 0.2288.



This preview shows how white text looks on a background with the Yxy color 40.6535, 0.2054, 0.2288.

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

40.6535, 0.2054, 0.2288

Protanopia

40.1593, 0.2404, 0.2309

Deuteranopia

40.2631, 0.2272, 0.2215

Trichromacy



Original Color

40.6535, 0.2054, 0.2288

Protanomaly

39.6784, 0.2236, 0.2283

Deuteranomaly

40.2329, 0.2175, 0.2240

Monochromacy



Original Color

40.6535, 0.2054, 0.2288

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.0935, 0.2568, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6535, 0.2054, 0.2288 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(67, 179, 255)` looks like.

```
.text, #text, p{  
  color:rgb(67, 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(67, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.6535, 0.2054, 0.2288 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(67, 179, 255) }
```

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

```
.border{ border-color:rgb(67, 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(67, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 179,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 40.6535, 0.2054, 0.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 179, 255) }
```

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

```
.background{ background-color: rgb(67, 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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