

Converting Colors

$Y_{xy}(39.9449, 0.2082, 0.2432)$

Have a look what the booklet for
Yxy(39.9449, 0.2082, 0.2432)
contains.

Yxy(40.0140, 0.2084, 0.2438)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.0140, 0.2084, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	3CB4F2
RGB	60, 180, 242
RGB Percent	24%, 71%, 95%
CMY	0.7651, 0.2941, 0.0511
CMYK	0.75, 0.26, 0.00, 0.05
HSL	200°, 87%, 59%
HSV	200°, 75%, 95%
XYZ	34.2039, 40.0140, 89.9084
YIQ	151.1880, -91.4220, -6.1580

Conversions

Conversions Part 2

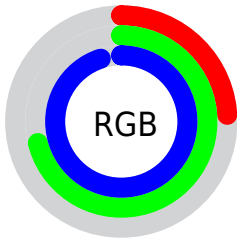
Format	Color
R _Y B	60, 132, 242
Decimal	3978482
CIE Lab	69.48, -12.80, -40.25
CIE LCh	69, 42.242, 252.358
Yxy	40.0140, 0.2084, 0.2438
Android (android.graphics.Color)	4282168562 (0xFF3CB4F2)
YUV	151.1880, 44.7703, -79.9719
Hunter-Lab	63.2566, -14.1811, -39.9909

Details

The Yxy color **40.0140, 0.2084, 0.2438** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **33.0838, 0.5173, 0.3858**, and the grayscale version is **30.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0362, 0.2444, 0.3066**, and **18.7239, 0.1950, 0.2219** is the 20% darker color. If you saturate the color by 10%, you get **36.2005, 0.2004, 0.2306**, and if you desaturate by 10%, it is **44.3718, 0.2185, 0.2570**.

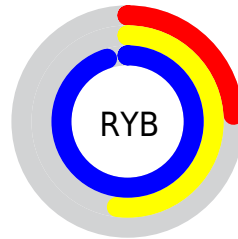
Distribution



Red (24%)

Green (71%)

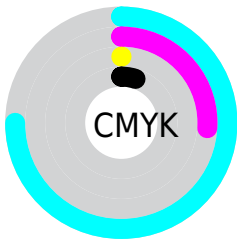
Blue (95%)



Red (24%)

Yellow (52%)

Blue (95%)

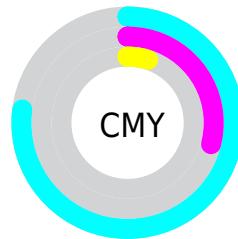


Cyan (75%)

Magenta (26%)

Yellow (0%)

Black (5%)



Cyan (77%)

Magenta (29%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0140, 0.2084, 0.2438 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 40.0140, 0.2084, 0.2438 by changing the saturation by 10% instead.

40.0140, 0.2084,
0.2438

40.0140, 0.2084,
0.2438

346.1826, 0.2590,
0.2868

27.5495, 0.1966,
0.2333

75.1848, 0.2262,
0.2593

17.9863, 0.1819,
0.2200

98.6599, 0.2331,
0.2652

10.9402, 0.1635,
0.2029

126.5740, 0.2390,
0.2702

6.0266, 0.1398,
0.1802

159.3114, 0.2441,
0.2744

2.8613, 0.1092,
0.1494

197.2566, 0.2485,
0.2782

1.0597, 0.0694,
0.1074

240.7939, 0.2524,

0.0000, 0.0000,

0.2814

0.0000

290.3078, 0.2559,
0.2843

■ 40.0140, 0.2084,
0.2438

■ 40.0140, 0.2084,
0.2438

■ 36.2005, 0.2004,
0.2306

■ 44.3718, 0.2185,
0.2570

■ 32.8725, 0.1944,
0.2177

■ 49.3147, 0.2304,
0.2699

■ 31.4235, 0.1921,
0.2116

■ 54.8831, 0.2438,
0.2824

■ 61.1117, 0.2583,
0.2942

■ 68.0322, 0.2735,
0.3052

■ 75.6740, 0.2890,
0.3153

■ 84.0644, 0.3046,
0.3245

■ 93.2291, 0.3200,
0.3328

■ 98.6346, 0.3203,
0.3407

Harmonies

Analogous

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



40.0140, 0.2037, 0.2795



40.0140, 0.2084, 0.2438



40.0140, 0.2374, 0.2323

Triad

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



40.0140, 0.2084, 0.2438



40.0140, 0.4075, 0.3118



40.0140, 0.3275, 0.4386

Complementary

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



40.0140, 0.2084, 0.2438



33.0838, 0.5173, 0.3858

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.



40.0140, 0.3855, 0.4369



40.0140, 0.2084, 0.2438



40.0140, 0.4356, 0.3591

Square

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



40.0140, 0.2084, 0.2438



40.0140, 0.3511, 0.2706



40.0140, 0.4261, 0.4047



40.0140, 0.2686, 0.3999

Rectangle

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



40.0140, 0.2084, 0.2438



40.0140, 0.2691, 0.2368



40.0140, 0.4261, 0.4047



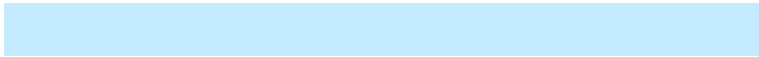
40.0140, 0.3478, 0.4425

Sweetspot

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



40.0154, 0.2084, 0.2438



78.4427, 0.2769, 0.3075



65.8201, 0.2815, 0.5003



16.1520, 0.2713, 0.3037



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.



40.0154, 0.2084, 0.2438



38.8372, 0.1971, 0.2241



14.7205, 0.1767, 0.1207



16.9702, 0.2980, 0.3208



17.1476, 0.1927, 0.2137



1.6102, 0.1974, 0.2307

Inverse Universe

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



25.3904, 0.3954, 0.2161



25.1471, 0.4181, 0.2123



66.1022, 0.4324, 0.4695



15.9347, 0.3190, 0.3135



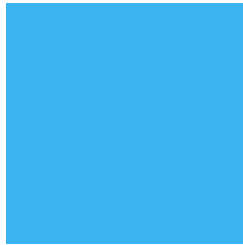
11.5244, 0.4300, 0.2143



0.9773, 0.4119, 0.2043

Previews

White Background



This preview shows how the Yxy color 40.0140, 0.2084, 0.2438 looks on a white background.

Color Contrast Check

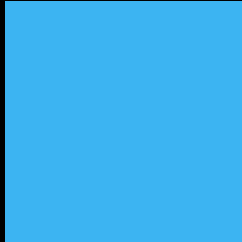
Large Text (above 18pt) WCAG AA × Fail

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 40.0140, 0.2084, 0.2438 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

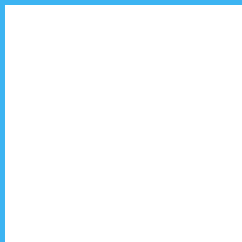
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0140, 0.2084, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 40.0140, 0.2084, 0.2438.



This preview shows how white text looks on a background with the Yxy color 40.0140, 0.2084, 0.2438.

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

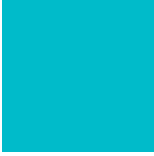
40.0140, 0.2084, 0.2438

Protanopia

39.4315, 0.2513, 0.2450

Deuteranopia

39.5484, 0.2361, 0.2299



Tritanopia

39.8049, 0.2182, 0.3055

Trichromacy



Original Color

40.0140, 0.2084, 0.2438

Protanomaly

38.9059, 0.2306, 0.2432

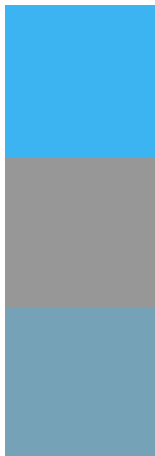
Deuteranomaly

39.2879, 0.2227, 0.2340

Tritanomaly

39.4613, 0.2125, 0.2796

Monochromacy



Original Color

40.0140, 0.2084, 0.2438

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

33.1529, 0.2584, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0140, 0.2084, 0.2438 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(60, 180, 242)` looks like.

```
.text, #text, p{  
    color:rgb(60, 180, 242)  
}
```

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(60, 180, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 180, 242) }
```

Border

The CSS property to change the border of an element to Yxy 40.0140, 0.2084, 0.2438 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(60, 180, 242) }
```

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

```
.border{ border-color:rgb(60, 180, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 180, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 180, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 180, 242);  
box-shadow:4px 4px 4px 4px rgb(60, 180,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0140, 0.2084, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 180, 242) }
```

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

```
.background{ background-color: rgb(60, 180,  
242) }
```

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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