

Converting Colors

$Y_{xy}(40.4589, 0.2175, 0.2522)$

Have a look what the booklet for
Yxy(40.4589, 0.2175, 0.2522)
contains.

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Color

Yxy(40.4925, 0.2173, 0.2519)

Conversions

Conversions Part 1

Format	Color
Hex	52B4EC
RGB	82, 180, 236
RGB Percent	32%, 71%, 93%
CMY	0.6790, 0.2940, 0.0745
CMYK	0.65, 0.24, 0.00, 0.07
HSL	202°, 80%, 62%
HSV	202°, 65%, 93%
XYZ	34.9306, 40.4925, 85.3252
YIQ	157.0820, -76.3840, -3.3600

Conversions

Conversions Part 2

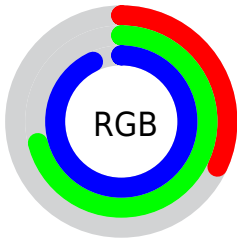
Format	Color
R _Y B	82, 142, 236
Decimal	5420268
CIE Lab	69.82, -11.76, -36.43
CIE LCh	70, 38.278, 252.102
Yxy	40.4925, 0.2173, 0.2519
Android (android.graphics.Color)	4283610348 (0xFF52B4EC)
YUV	157.0820, 38.9066, -65.8469
Hunter-Lab	63.6337, -13.3746, -34.9572

Details

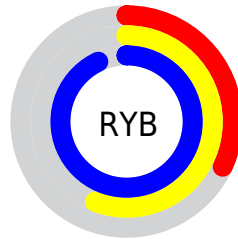
The Yxy color **40.4925, 0.2173, 0.2519** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **36.5672, 0.4787, 0.3875**, and the grayscale version is **33.5882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2306, 0.2504, 0.3070**, and **18.4740, 0.1973, 0.2303** is the 20% darker color. If you saturate the color by 10%, you get **36.2593, 0.2069, 0.2378**, and if you desaturate by 10%, it is **45.3059, 0.2295, 0.2658**.

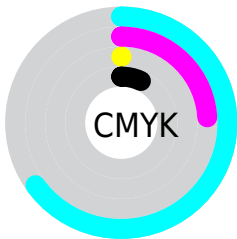
Distribution



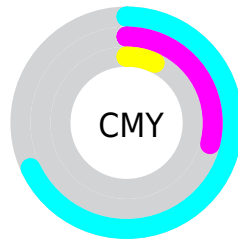
- Red (32%)
- Green (71%)
- Blue (93%)



- Red (32%)
- Yellow (56%)
- Blue (93%)



- Cyan (65%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)





- Cyan (68%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4925, 0.2173, 0.2519 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 40.4925, 0.2173, 0.2519 by changing the saturation by 10% instead.


 40.4925, 0.2173,
0.2519


 40.4925, 0.2173,
0.2519


348.1950, 0.2638,
0.2909

 27.9227, 0.2063,
0.2423


 75.9129, 0.2338,
0.2661


 18.2674, 0.1926,
0.2300


 99.5323, 0.2401,
0.2714

 11.1422, 0.1751,
0.2141


 127.6038, 0.2455,
0.2759

 6.1625, 0.1524,
0.1928

 160.5116, 0.2502,
0.2798

 2.9442, 0.1223,
0.1633

198.6403, 0.2543,
0.2831

 1.1027, 0.0823,
0.1216

242.3741, 0.2578,

 0.0000, 0.0000,

0.2861

0.0000

292.0976, 0.2610,
0.2886

■ 40.4925, 0.2173,
0.2519

■ 40.4925, 0.2173,
0.2519

■ 36.2593, 0.2069,
0.2378

■ 45.3059, 0.2295,
0.2658

■ 32.5591, 0.1985,
0.2237

■ 50.7325, 0.2432,
0.2791

■ 29.3412, 0.1923,
0.2098

■ 56.8073, 0.2579,
0.2918

■ 27.9623, 0.1899,
0.2035

■ 63.5607, 0.2733,
0.3036

■ 71.0208, 0.2889,
0.3144

79.2141, 0.3045,
0.3242

88.1653, 0.3198,
0.3330

94.8072, 0.3244,
0.3412

98.8357, 0.3238,
0.3473

Harmonies

Analogous

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



40.4925, 0.2133, 0.2851



40.4925, 0.2173, 0.2519



40.4925, 0.2439, 0.2407

Triad

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



40.4925, 0.2173, 0.2519



40.4925, 0.3978, 0.3135



40.4925, 0.3273, 0.4273

Complementary

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



40.4925, 0.2173, 0.2519



36.5672, 0.4787, 0.3875

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.



40.4925, 0.3797, 0.4266



40.4925, 0.2173, 0.2519



40.4925, 0.4236, 0.3570

Square

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



40.4925, 0.2173, 0.2519



40.4925, 0.3471, 0.2755



40.4925, 0.4159, 0.3983



40.4925, 0.2736, 0.3928

Rectangle

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



40.4925, 0.2173, 0.2519



40.4925, 0.2729, 0.2446



40.4925, 0.4159, 0.3983



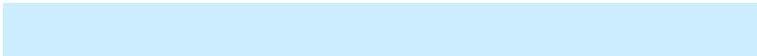
40.4925, 0.3457, 0.4309

Sweetspot

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



40.4939, 0.2173, 0.2519



80.3249, 0.2815, 0.3093



63.5462, 0.2808, 0.4710



16.6617, 0.2770, 0.3062



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.



40.4939, 0.2173, 0.2519



41.8363, 0.2041, 0.2335



17.9421, 0.1921, 0.1457



16.1486, 0.2981, 0.3202



15.6690, 0.1905, 0.2057



1.4121, 0.1958, 0.2247

Inverse Universe

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



27.1410, 0.3852, 0.2281



27.5074, 0.4063, 0.2184



65.9630, 0.4176, 0.4601



15.2155, 0.3193, 0.3141



11.0746, 0.4389, 0.2192



0.8880, 0.4182, 0.2078

Previews

White Background



This preview shows how the Yxy color 40.4925, 0.2173, 0.2519 looks on a white background.

Color Contrast Check

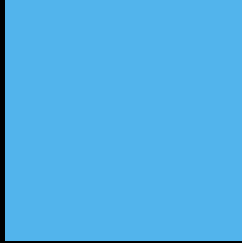
Large Text (above 18pt) WCAG AA × Fail

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 40.4925, 0.2173, 0.2519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

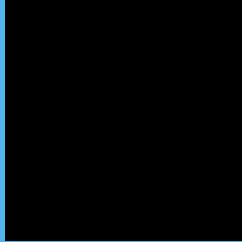
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

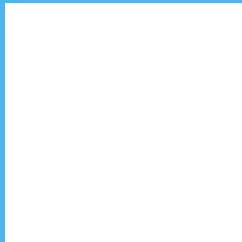
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4925, 0.2173, 0.2519

Background



This preview shows how black text looks on a background with the Yxy color 40.4925, 0.2173, 0.2519.



This preview shows how white text looks on a background with the Yxy color 40.4925, 0.2173, 0.2519.

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

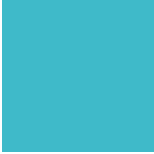
40.4925, 0.2173, 0.2519

Protanopia

39.9007, 0.2573, 0.2524

Deuteranopia

40.2570, 0.2445, 0.2385



Tritanopia

40.3916, 0.2284, 0.3060

Trichromacy



Original Color

40.4925, 0.2173, 0.2519

Protanomaly

39.7302, 0.2391, 0.2514

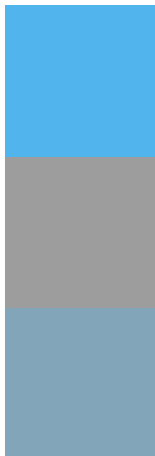
Deuteranomaly

39.8157, 0.2322, 0.2419

Tritanomaly

40.4381, 0.2240, 0.2848

Monochromacy



Original Color

40.4925, 0.2173, 0.2519

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.2013, 0.2664, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4925, 0.2173, 0.2519 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(82, 180, 236)` looks like.

```
.text, #text, p{  
    color:rgb(82, 180, 236)  
}
```

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(82, 180, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 180, 236) }
```

Border

The CSS property to change the border of an element to Yxy 40.4925, 0.2173, 0.2519 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(82, 180, 236) }
```

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

```
.border{ border-color:rgb(82, 180, 236) }
```

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

Here you see how a box with a 4 pixel rgb(82, 180, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 180, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 180, 236);  
box-shadow:4px 4px 4px 4px rgb(82, 180,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4925, 0.2173, 0.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 180, 236) }
```

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

```
.background{ background-color: rgb(82, 180,  
236) }
```

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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