

Converting Colors

$Yxy(40.8425, 0.2128, 0.2453)$

Have a look what the booklet for
Yxy(40.8425, 0.2128, 0.2453)
contains.

Yxy(40.9544, 0.2130, 0.2460)	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(40.9544, 0.2130, 0.2460)

Conversions

Conversions Part 1

Format	Color
Hex	4BB5F2
RGB	75, 181, 242
RGB Percent	29%, 71%, 95%
CMY	0.7056, 0.2902, 0.0508
CMYK	0.69, 0.25, 0.00, 0.05
HSL	202°, 87%, 62%
HSV	202°, 69%, 95%
XYZ	35.4605, 40.9544, 90.0664
YIQ	156.2600, -82.7570, -3.5010

Conversions

Conversions Part 2

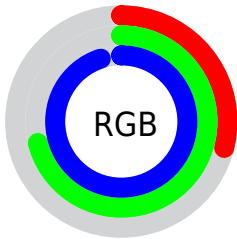
Format	Color
R _Y B	75, 140, 242
Decimal	4961778
CIE Lab	70.14, -11.36, -39.22
CIE LCh	70, 40.832, 253.842
Yxy	40.9544, 0.2130, 0.2460
Android (android.graphics.Color)	4283151858 (0xFF4BB5F2)
YUV	156.2600, 42.2698, -71.2650
Hunter-Lab	63.9956, -13.0840, -38.6468

Details

The Yxy color **40.9544, 0.2130, 0.2460** 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 **37.0354, 0.4912, 0.3894**, and the grayscale version is **33.2133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4511, 0.2488, 0.3081**, and **18.9835, 0.1955, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **36.6722, 0.2033, 0.2317**, and if you desaturate by 10%, it is **45.8391, 0.2246, 0.2601**.

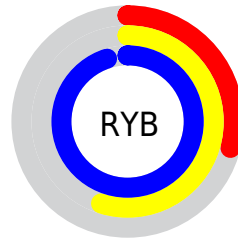
Distribution



Red (29%)

Green (71%)

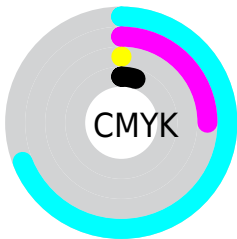
Blue (95%)



Red (29%)

Yellow (55%)

Blue (95%)

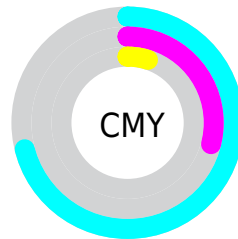


Cyan (69%)

Magenta (25%)

Yellow (0%)

Black (5%)



Cyan (71%)

Magenta (29%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9544, 0.2130, 0.2460 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 40.9544, 0.2130, 0.2460 by changing the saturation by 10% instead.

40.9544, 0.2130,
0.2460

40.9544, 0.2130,
0.2460

350.1300, 0.2614,
0.2877

28.2835, 0.2017,
0.2358

76.6147, 0.2301,
0.2610

18.5394, 0.1876,
0.2230

100.3728, 0.2366,
0.2667

11.3380, 0.1699,
0.2065

128.5954, 0.2423,
0.2715

6.2946, 0.1470,
0.1845

161.6669, 0.2471,
0.2757

3.0251, 0.1171,
0.1546

199.9718, 0.2514,
0.2793

1.1448, 0.0783,
0.1135

243.8943, 0.2551,

0.0159, 0.0000,

0.2824

0.0039

293.8189, 0.2584,
0.2852

■ 0.0000, 0.0000,
0.0000

■ 40.9544, 0.2130,
0.2460

■ 40.9544, 0.2130,
0.2460

■ 36.6722, 0.2033,
0.2317

■ 45.8391, 0.2246,
0.2601

■ 32.9395, 0.1957,
0.2176

■ 51.3639, 0.2379,
0.2738

■ 29.6862, 0.1901,
0.2038

■ 57.5672, 0.2523,
0.2869

■ 29.3722, 0.1896,
0.2024

■ 64.4825, 0.2675,
0.2991

■ 72.1408, 0.2831,
0.3104

80.5708, 0.2988,
0.3206

89.7996, 0.3143,
0.3299

97.1596, 0.3205,
0.3384

99.1928, 0.3202,
0.3415

Harmonies

Analogous

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



40.9544, 0.2073, 0.2794



40.9544, 0.2130, 0.2460



40.9544, 0.2422, 0.2358

Triad

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



40.9544, 0.2130, 0.2460



40.9544, 0.4057, 0.3148



40.9544, 0.3243, 0.4328

Complementary

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



40.9544, 0.2130, 0.2460



37.0354, 0.4912, 0.3894

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.



40.9544, 0.3804, 0.4336



40.9544, 0.2130, 0.2460



40.9544, 0.4310, 0.3607

Square

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



40.9544, 0.2130, 0.2460



40.9544, 0.3526, 0.2745



40.9544, 0.4205, 0.4041



40.9544, 0.2680, 0.3941

Rectangle

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



40.9544, 0.2130, 0.2460



40.9544, 0.2735, 0.2407



40.9544, 0.4205, 0.4041



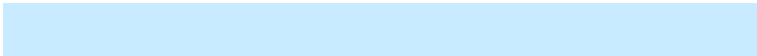
40.9544, 0.3439, 0.4373

Sweetspot

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



40.9558, 0.2130, 0.2460



79.3577, 0.2799, 0.3081



66.7313, 0.2804, 0.4805



16.4671, 0.2755, 0.3050



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.



40.9558, 0.2130, 0.2460



39.4288, 0.1998, 0.2257



17.0499, 0.1856, 0.1346



16.9006, 0.2980, 0.3202



16.0434, 0.1902, 0.2047



1.5235, 0.1952, 0.2229

Inverse Universe

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



27.2621, 0.3918, 0.2249



26.2122, 0.4153, 0.2172



69.0134, 0.4226, 0.4650



15.9276, 0.3194, 0.3141



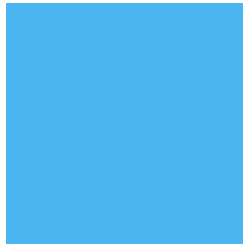
11.4129, 0.4400, 0.2198



0.9685, 0.4202, 0.2088

Previews

White Background



This preview shows how the Yxy color 40.9544, 0.2130, 0.2460 looks on a white background.

Color Contrast Check

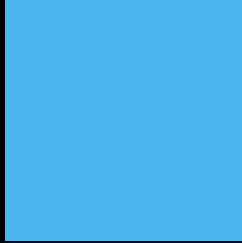
Large Text (above 18pt) WCAG AA × Fail

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 40.9544, 0.2130, 0.2460 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

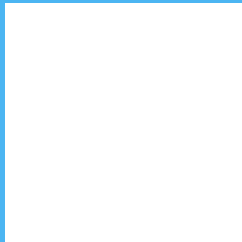
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9544, 0.2130, 0.2460

Background



This preview shows how black text looks on a background with the Yxy color 40.9544, 0.2130, 0.2460.



This preview shows how white text looks on a background with the Yxy color 40.9544, 0.2130, 0.2460.

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

40.9544, 0.2130, 0.2460

Protanopia

40.5069, 0.2532, 0.2470

Deuteranopia

40.6312, 0.2390, 0.2331



Tritanopia

40.9312, 0.2245, 0.3060

Trichromacy



Original Color

40.9544, 0.2130, 0.2460

Protanomaly

40.2284, 0.2345, 0.2457

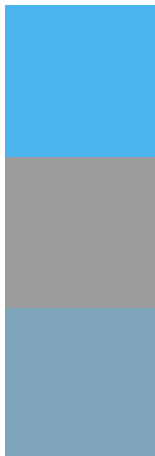
Deuteranomaly

40.2007, 0.2269, 0.2363

Tritanomaly

40.6072, 0.2195, 0.2819

Monochromacy



Original Color

40.9544, 0.2130, 0.2460

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.0101, 0.2635, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9544, 0.2130, 0.2460 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(75, 181, 242)` looks like.

```
.text, #text, p{  
    color:rgb(75, 181, 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(75, 181, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 181, 242) }
```

Border

The CSS property to change the border of an element to Yxy 40.9544, 0.2130, 0.2460 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(75, 181, 242) }
```

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

```
.border{ border-color:rgb(75, 181, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 181, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 181, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 181, 242);  
box-shadow:4px 4px 4px 4px rgb(75, 181,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9544, 0.2130, 0.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 181, 242) }
```

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

```
.background{ background-color: rgb(75, 181,  
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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