

Converting Colors

$Y_{xy}(40.4509, 0.2103, 0.2462)$

Have a look what the booklet for
Yxy(40.4509, 0.2103, 0.2462)
contains.

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Color

Yxy(40.5224, 0.2104, 0.2466)

Conversions

Conversions Part 1

Format	Color
Hex	41B5F1
RGB	65, 181, 241
RGB Percent	25%, 71%, 95%
CMY	0.7457, 0.2901, 0.0548
CMYK	0.73, 0.25, 0.00, 0.05
HSL	200°, 86%, 60%
HSV	200°, 73%, 95%
XYZ	34.5739, 40.5224, 89.2282
YIQ	153.1560, -88.3960, -5.9320

Conversions

Conversions Part 2

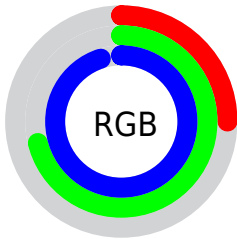
Format	Color
RYB	65, 135, 241
Decimal	4306417
CIELab	69.84, -13.08, -39.16
CIELCh	70, 41.285, 251.532
Yxy	40.5224, 0.2104, 0.2466
Android (android.graphics.Color)	4282496497 (0xFF41B5F1)
YUV	153.1560, 43.3071, -77.3128
Hunter-Lab	63.6572, -14.4522, -38.5466

Details

The Yxy color **40.5224, 0.2104, 0.2466** 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 **33.7083, 0.5097, 0.3857**, and the grayscale version is **31.7455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8567, 0.2458, 0.3079**, and **18.9411, 0.1959, 0.2252** is the 20% darker color. If you saturate the color by 10%, you get **36.6309, 0.2019, 0.2334**, and if you desaturate by 10%, it is **44.9636, 0.2209, 0.2598**.

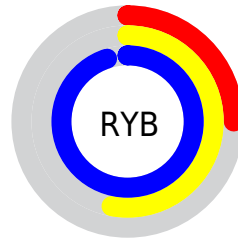
Distribution



Red (25%)

Green (71%)

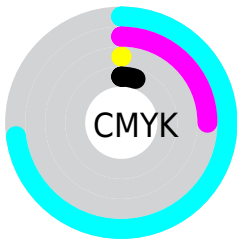
Blue (95%)



Red (25%)

Yellow (53%)

Blue (95%)

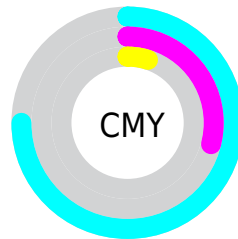


Cyan (73%)

Magenta (25%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (29%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5224, 0.2104, 0.2466 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 40.5224, 0.2104, 0.2466 by changing the saturation by 10% instead.

40.5224, 0.2104,
0.2466

40.5224, 0.2104,
0.2466

348.3205, 0.2600,
0.2882

27.9461, 0.1988,
0.2364

75.9584, 0.2279,
0.2616

18.2850, 0.1844,
0.2235

99.5868, 0.2346,
0.2673

11.1548, 0.1663,
0.2068

127.6680, 0.2404,
0.2721

6.1711, 0.1429,
0.1847

160.5865, 0.2454,
0.2763

2.9494, 0.1125,
0.1544

198.7266, 0.2497,
0.2799

1.1054, 0.0730,
0.1127

242.4727, 0.2536,

0.0000, 0.0000,

0.2830

0.0000

292.2092, 0.2570,
0.2858

■ 40.5224, 0.2104,
0.2466

■ 40.5224, 0.2104,
0.2466

■ 36.6309, 0.2019,
0.2334

■ 44.9636, 0.2209,
0.2598

■ 33.2334, 0.1955,
0.2204


■ 49.9934, 0.2332,
0.2726


■ 31.1254, 0.1921,
0.2115

■ 55.6508, 0.2468,
0.2850


■ 61.9694, 0.2615,
0.2966

■ 68.9802, 0.2768,
0.3075

 76.7117, 0.2924,
0.3174

 85.1906, 0.3079,
0.3264

 93.9365, 0.3215,
0.3345

 99.0590, 0.3209,
0.3423

Harmonies

Analogous

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



40.5224, 0.2065, 0.2822



40.5224, 0.2104, 0.2466



40.5224, 0.2382, 0.2346

Triad

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



40.5224, 0.2104, 0.2466



40.5224, 0.4037, 0.3111



40.5224, 0.3290, 0.4359

Complementary

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



40.5224, 0.2104, 0.2466



33.7083, 0.5097, 0.3857

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.



40.5224, 0.3852, 0.4336



40.5224, 0.2104, 0.2466



40.5224, 0.4320, 0.3573

Square

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



40.5224, 0.2104, 0.2466



40.5224, 0.3484, 0.2711



40.5224, 0.4240, 0.4019



40.5224, 0.2713, 0.3993

Rectangle

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



40.5224, 0.2104, 0.2466



40.5224, 0.2688, 0.2386



40.5224, 0.4240, 0.4019



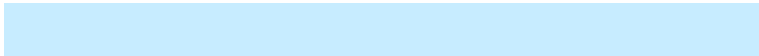
40.5224, 0.3487, 0.4394

Sweetspot

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



40.5238, 0.2104, 0.2466



79.2787, 0.2784, 0.3085



65.4810, 0.2814, 0.4949



16.4830, 0.2742, 0.3057



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.



40.5238, 0.2104, 0.2466



39.5768, 0.1983, 0.2266



15.5108, 0.1799, 0.1265



16.9696, 0.2980, 0.3208



17.1366, 0.1927, 0.2136



1.6093, 0.1974, 0.2306

Inverse Universe

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



25.8018, 0.3922, 0.2176



25.4569, 0.4152, 0.2122



65.9954, 0.4298, 0.4674



15.9346, 0.3190, 0.3135



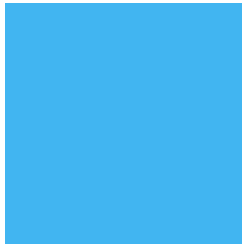
11.5233, 0.4301, 0.2143



0.9772, 0.4120, 0.2043

Previews

White Background



This preview shows how the Yxy color 40.5224, 0.2104, 0.2466 looks on a white background.

Color Contrast Check

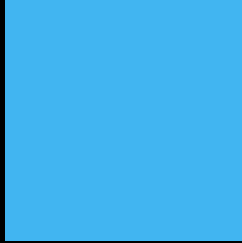
Large Text (above 18pt) WCAG AA × Fail

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 40.5224, 0.2104, 0.2466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

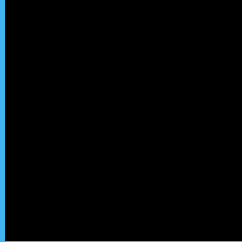
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

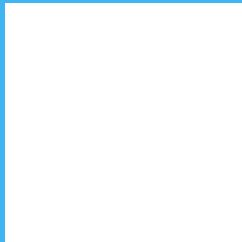
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5224, 0.2104, 0.2466

Background



This preview shows how black text looks on a background with the Yxy color 40.5224, 0.2104, 0.2466.



This preview shows how white text looks on a background with the Yxy color 40.5224, 0.2104, 0.2466.

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

40.5224, 0.2104, 0.2466

Protanopia

39.9299, 0.2535, 0.2477

Deuteranopia

40.1124, 0.2386, 0.2326



Tritanopia

40.5543, 0.2209, 0.3058

Trichromacy



Original Color

40.5224, 0.2104, 0.2466

Protanomaly

39.4386, 0.2330, 0.2461

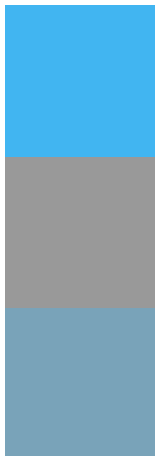
Deuteranomaly

39.8689, 0.2254, 0.2369

Tritanomaly

40.2213, 0.2161, 0.2815

Monochromacy



Original Color

40.5224, 0.2104, 0.2466

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.7621, 0.2601, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5224, 0.2104, 0.2466 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(65, 181, 241)` looks like.

```
.text, #text, p{  
    color:rgb(65, 181, 241)  
}
```

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(65, 181, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 181, 241) }
```

Border

The CSS property to change the border of an element to Yxy 40.5224, 0.2104, 0.2466 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(65, 181, 241) }
```

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

```
.border{ border-color:rgb(65, 181, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 181, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 181, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 181, 241);  
box-shadow:4px 4px 4px 4px rgb(65, 181,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5224, 0.2104, 0.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 181, 241) }
```

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

```
.background{ background-color: rgb(65, 181,  
241) }
```

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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