

Converting Colors

$Y_{xy}(40.5130, 0.2135, 0.2465)$

Have a look what the booklet for
Yxy(40.5130, 0.2135, 0.2465)
contains.

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Color

Yxy(40.4703, 0.2137, 0.2469)

Conversions

Conversions Part 1

Format	Color
Hex	4CB4F0
RGB	76, 180, 240
RGB Percent	30%, 71%, 94%
CMY	0.7021, 0.2941, 0.0588
CMYK	0.68, 0.25, 0.00, 0.06
HSL	202°, 85%, 62%
HSV	202°, 68%, 94%
XYZ	35.0284, 40.4703, 88.4151
YIQ	155.7440, -81.2440, -3.3880

Conversions

Conversions Part 2

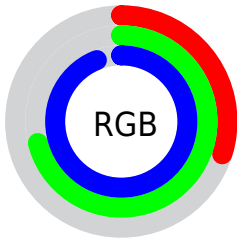
Format	Color
RYB	76, 140, 240
Decimal	5027056
CIELab	69.80, -11.36, -38.65
CIELCh	70, 40.288, 253.619
Yxy	40.4703, 0.2137, 0.2469
Android (android.graphics.Color)	4283217136 (0xFF4CB4F0)
YUV	155.7440, 41.5382, -69.9355
Hunter-Lab	63.6163, -13.0429, -37.8709

Details

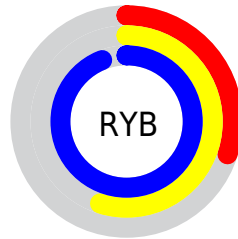
The Yxy color **40.4703, 0.2137, 0.2469** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **36.6473, 0.4890, 0.3892**, and the grayscale version is **32.9602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8736, 0.2486, 0.3069**, and **18.6394, 0.1957, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **36.2325, 0.2038, 0.2326**, and if you desaturate by 10%, it is **45.3018, 0.2255, 0.2610**.

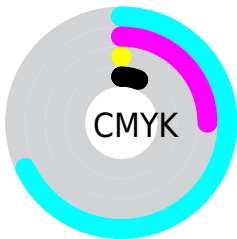
Distribution



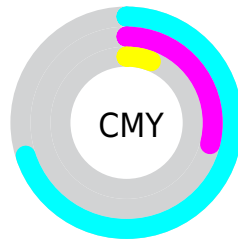
- Red (30%)
- Green (71%)
- Blue (94%)



- Red (30%)
- Yellow (55%)
- Blue (94%)



- Cyan (68%)
- Magenta (25%)
- Yellow (0%)
- Black (6%)



- Cyan (70%)
- Magenta (29%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4703, 0.2137, 0.2469 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 40.4703, 0.2137, 0.2469 by changing the saturation by 10% instead.

■ 40.4703, 0.2137,
0.2469

■ 40.4703, 0.2137,
0.2469

■ 348.1018, 0.2618,
0.2883

■ 27.9054, 0.2024,
0.2368

■ 75.8791, 0.2307,
0.2618

■ 18.2544, 0.1883,
0.2240

■ 99.4919, 0.2373,
0.2675

■ 11.1328, 0.1705,
0.2074

■ 127.5560, 0.2429,
0.2723

■ 6.1562, 0.1475,
0.1854

■ 160.4560, 0.2477,
0.2764

■ 2.9403, 0.1174,
0.1553

■ 198.5762, 0.2519,
0.2799

■ 1.1006, 0.0779,
0.1137

■ 242.3010, 0.2556,

■ 0.0000, 0.0000,

0.2831

0.0000

292.0147, 0.2589,
0.2858

■ 40.4703, 0.2137,
0.2469

■ 40.4703, 0.2137,
0.2469

■ 36.2325, 0.2038,
0.2326

■ 45.3018, 0.2255,
0.2610

■ 32.5370, 0.1961,
0.2185

■ 50.7633, 0.2388,
0.2747

■ 29.3196, 0.1904,
0.2046

■ 56.8924, 0.2533,
0.2877

■ 28.8215, 0.1896,
0.2024

■ 63.7217, 0.2685,
0.2998

■ 71.2814, 0.2841,
0.3110

■ 79.5995, 0.2998,
0.3212

■ 88.7024, 0.3152,
0.3304

■ 96.0724, 0.3218,
0.3389

■ 99.0722, 0.3214,
0.3434

Harmonies

Analogous

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



40.4703, 0.2082, 0.2803



40.4703, 0.2137, 0.2469



40.4703, 0.2426, 0.2365

Triad

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



40.4703, 0.2137, 0.2469



40.4703, 0.4045, 0.3147



40.4703, 0.3247, 0.4319

Complementary

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



40.4703, 0.2137, 0.2469



36.6473, 0.4890, 0.3892

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.



40.4703, 0.3803, 0.4325



40.4703, 0.2137, 0.2469



40.4703, 0.4298, 0.3601

Square

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



40.4703, 0.2137, 0.2469



40.4703, 0.3518, 0.2747



40.4703, 0.4197, 0.4033



40.4703, 0.2688, 0.3938

Rectangle

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



40.4703, 0.2137, 0.2469



40.4703, 0.2735, 0.2414



40.4703, 0.4197, 0.4033



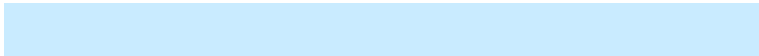
40.4703, 0.3441, 0.4363

Sweetspot

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



40.4717, 0.2137, 0.2469



79.3532, 0.2799, 0.3081



65.5680, 0.2804, 0.4789



16.4660, 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.



40.4717, 0.2137, 0.2469



39.8452, 0.2006, 0.2271



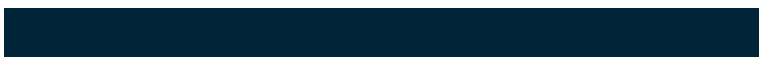
17.0495, 0.1867, 0.1365



16.9002, 0.2980, 0.3202



16.0372, 0.1902, 0.2046



1.5230, 0.1952, 0.2228

Inverse Universe

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



26.9861, 0.3907, 0.2255



26.4413, 0.4137, 0.2175



67.8574, 0.4217, 0.4642



15.9276, 0.3194, 0.3141



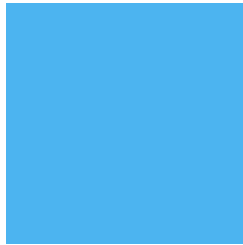
11.4123, 0.4401, 0.2198



0.9685, 0.4202, 0.2089

Previews

White Background



This preview shows how the Yxy color 40.4703, 0.2137, 0.2469 looks on a white background.

Color Contrast Check

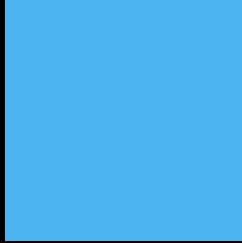
Large Text (above 18pt) WCAG AA × Fail

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 40.4703, 0.2137, 0.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

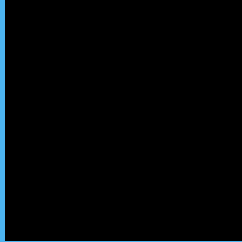
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

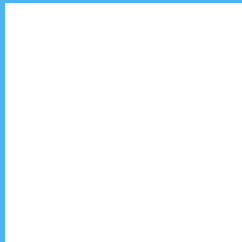
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4703, 0.2137, 0.2469

Background



This preview shows how black text looks on a background with the Yxy color 40.4703, 0.2137, 0.2469.



This preview shows how white text looks on a background with the Yxy color 40.4703, 0.2137, 0.2469.

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

40.4703, 0.2137, 0.2469

Protanopia

39.9299, 0.2535, 0.2477

Deuteranopia

40.1390, 0.2398, 0.2338



Tritanopia

40.5087, 0.2250, 0.3059

Trichromacy



Original Color

40.4703, 0.2137, 0.2469

Protanomaly

39.7306, 0.2353, 0.2465

Deuteranomaly

39.6978, 0.2276, 0.2370

Tritanomaly

40.1995, 0.2201, 0.2818

Monochromacy



Original Color

40.4703, 0.2137, 0.2469

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 40.4703, 0.2137, 0.2469 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(76, 180, 240)` looks like.

```
.text, #text, p{  
    color:rgb(76, 180, 240)  
}
```

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(76, 180, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 180, 240) }
```

Border

The CSS property to change the border of an element to Yxy 40.4703, 0.2137, 0.2469 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(76, 180, 240) }
```

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

```
.border{ border-color:rgb(76, 180, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 180, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 180, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 180, 240);  
box-shadow:4px 4px 4px 4px rgb(76, 180,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4703, 0.2137, 0.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 180, 240) }
```

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

```
.background{ background-color: rgb(76, 180,  
240) }
```

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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