

Converting Colors

$Y_{xy}(40.8867, 0.2101, 0.2527)$

Have a look what the booklet for
Yxy(40.8867, 0.2101, 0.2527)
contains.

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Color

Yxy(40.8808, 0.2100, 0.2526)

Conversions

Conversions Part 1

Format	Color
Hex	38B7EE
RGB	56, 183, 238
RGB Percent	22%, 72%, 93%
CMY	0.7811, 0.2823, 0.0667
CMYK	0.77, 0.23, 0.00, 0.07
HSL	198°, 84%, 58%
HSV	198°, 77%, 93%
XYZ	33.9864, 40.8808, 86.9729
YIQ	151.2970, -93.3470, -9.8190

Conversions

Conversions Part 2

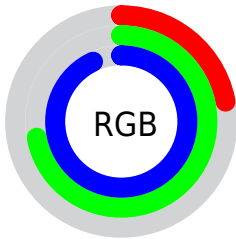
Format	Color
R _Y B	56, 131, 238
Decimal	3717102
CIE Lab	70.09, -16.20, -37.13
CIE LCh	70, 40.513, 246.432
Yxy	40.8808, 0.2100, 0.2526
Android (android.graphics.Color)	4281907182 (0xFF38B7EE)
YUV	151.2970, 42.7446, -83.5755
Hunter-Lab	63.9381, -17.0097, -35.8935

Details

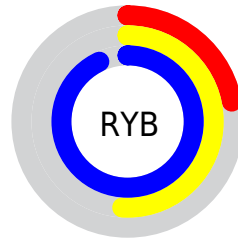
The Yxy color **40.8808, 0.2100, 0.2526** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **29.7780, 0.5291, 0.3785**, and the grayscale version is **30.9037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5422, 0.2438, 0.3102**, and **19.3427, 0.1982, 0.2333** is the 20% darker color. If you saturate the color by 10%, you get **37.4668, 0.2028, 0.2411**, and if you desaturate by 10%, it is **44.7739, 0.2193, 0.2642**.

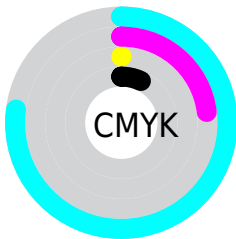
Distribution



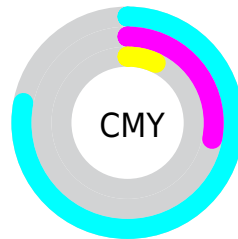
- Red (22%)
- Green (72%)
- Blue (93%)



- Red (22%)
- Yellow (51%)
- Blue (93%)



- Cyan (77%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)




- Cyan (78%)
- Magenta (28%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8808, 0.2100, 0.2526 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 40.8808, 0.2100, 0.2526 by changing the saturation by 10% instead.

 40.8808, 0.2100,
0.2526

 40.8808, 0.2100,
0.2526


349.8222, 0.2597,
0.2915

 28.2260, 0.1984,
0.2429


 76.5029, 0.2275,
0.2668


 18.4961, 0.1839,
0.2307


 100.2390, 0.2343,
0.2721

 11.3067, 0.1657,
0.2147


 128.4376, 0.2401,
0.2766

 6.2735, 0.1423,
0.1932

 161.4831, 0.2451,
0.2804

 3.0121, 0.1117,
0.1635

199.7599, 0.2494,
0.2838

 1.1381, 0.0713,
0.1218

243.6524, 0.2533,

 0.0102, 0.0000,

0.2867

0.0027

293.5450, 0.2567,
0.2893

0.0000, 0.0000,
0.0000

40.8808, 0.2100,
0.2526

40.8808, 0.2100,
0.2526

37.4668, 0.2028,
0.2411

44.7739, 0.2193,
0.2642

34.4740, 0.1976,
0.2297

49.1850, 0.2304,
0.2755

33.5093, 0.1961,
0.2258

54.1524, 0.2431,
0.2865

59.7091, 0.2570,
0.2970

65.8849, 0.2718,
0.3068

■ 72.7074, 0.2871,
0.3158

■ 80.2021, 0.3026,
0.3240

■ 88.3930, 0.3180,
0.3315

■ 94.3463, 0.3233,
0.3384

Harmonies

Analogous

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



40.8808, 0.2103, 0.2915



40.8808, 0.2100, 0.2526



40.8808, 0.2335, 0.2368

Triad

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



40.8808, 0.2100, 0.2526



40.8808, 0.3939, 0.3043



40.8808, 0.3387, 0.4358

Complementary

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



40.8808, 0.2100, 0.2526



29.7780, 0.5291, 0.3785

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.



40.8808, 0.3919, 0.4278



40.8808, 0.2100, 0.2526



40.8808, 0.4272, 0.3491

Square

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



40.8808, 0.2100, 0.2526



40.8808, 0.3373, 0.2666



40.8808, 0.4255, 0.3938



40.8808, 0.2813, 0.4061

Rectangle

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



40.8808, 0.2100, 0.2526



40.8808, 0.2613, 0.2384



40.8808, 0.4255, 0.3938



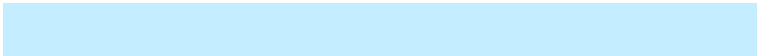
40.8808, 0.3577, 0.4370

Sweetspot

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



40.8822, 0.2100, 0.2526



79.7476, 0.2771, 0.3100



63.1093, 0.2840, 0.5116



16.4699, 0.2716, 0.3066



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.



40.8822, 0.2100, 0.2526



41.7445, 0.1995, 0.2344



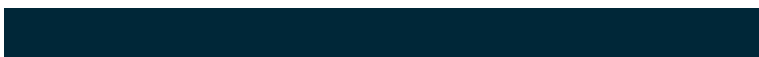
14.7049, 0.1768, 0.1244



17.0769, 0.2981, 0.3217



18.9359, 0.1966, 0.2276



1.7490, 0.2007, 0.2425

Inverse Universe

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



24.4041, 0.3872, 0.2090



25.2444, 0.4075, 0.2051



60.4868, 0.4388, 0.4658



15.9454, 0.3184, 0.3126



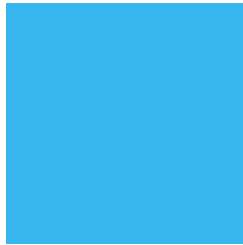
11.7049, 0.4152, 0.2061



0.9913, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 40.8808, 0.2100, 0.2526 looks on a white background.

Color Contrast Check

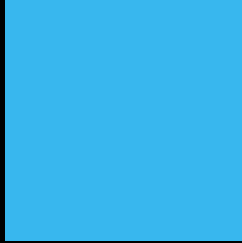
Large Text (above 18pt) WCAG AA × Fail

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 40.8808, 0.2100, 0.2526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

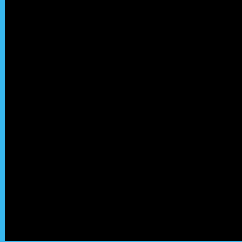
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

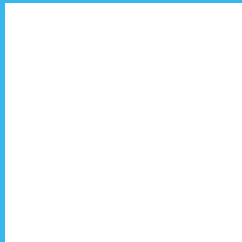
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8808, 0.2100, 0.2526

Background



This preview shows how black text looks on a background with the Yxy color 40.8808, 0.2100, 0.2526.

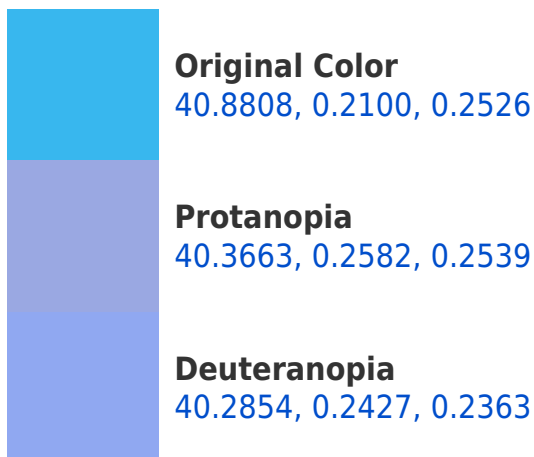


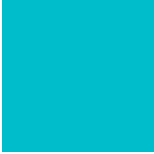
This preview shows how white text looks on a background with the Yxy color 40.8808, 0.2100, 0.2526.

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





Tritanopia

40.7548, 0.2183, 0.3057

Trichromacy



Original Color

40.8808, 0.2100, 0.2526

Protanomaly

39.4519, 0.2342, 0.2518

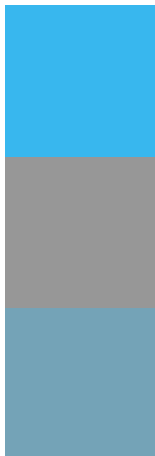
Deuteranomaly

39.6232, 0.2263, 0.2400

Tritanomaly

40.6472, 0.2140, 0.2856

Monochromacy



Original Color

40.8808, 0.2100, 0.2526

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

33.3263, 0.2578, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8808, 0.2100, 0.2526 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(56, 183, 238)` looks like.

```
.text, #text, p{  
    color:rgb(56, 183, 238)  
}
```

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(56, 183, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 183, 238) }
```

Border

The CSS property to change the border of an element to Yxy 40.8808, 0.2100, 0.2526 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(56, 183, 238) }
```

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

```
.border{ border-color:rgb(56, 183, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 183, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 183, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 183, 238);  
box-shadow:4px 4px 4px 4px rgb(56, 183,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8808, 0.2100, 0.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 183, 238) }
```

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

```
.background{ background-color: rgb(56, 183,  
238) }
```

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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