

Converting Colors

$Y_{xy}(40.7494, 0.2212, 0.2597)$

Have a look what the booklet for
Yxy(40.7494, 0.2212, 0.2597)
contains.

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Color

Yxy(40.7957, 0.2212, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	56B5E7
RGB	86, 181, 231
RGB Percent	34%, 71%, 91%
CMY	0.6633, 0.2901, 0.0941
CMYK	0.63, 0.22, 0.00, 0.09
HSL	201°, 75%, 62%
HSV	201°, 63%, 91%
XYZ	34.7746, 40.7957, 81.6386
YIQ	158.2950, -72.6700, -4.5900

Conversions

Conversions Part 2

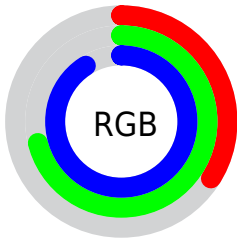
Format	Color
R _Y B	86, 143, 231
Decimal	5682663
CIE Lab	70.03, -13.22, -33.36
CIE LCh	70, 35.886, 248.386
Yxy	40.7957, 0.2212, 0.2595
Android (android.graphics.Color)	4283872743 (0xFF56B5E7)
YUV	158.2950, 35.8436, -63.4027
Hunter-Lab	63.8715, -14.5915, -31.0726

Details

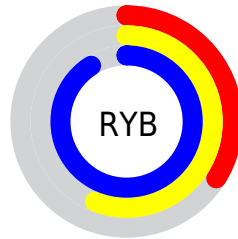
The Yxy color **40.7957, 0.2212, 0.2595** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **35.2192, 0.4723, 0.3832**, and the grayscale version is **34.1768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0843, 0.2519, 0.3082**, and **18.5335, 0.1999, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **36.7309, 0.2106, 0.2462**, and if you desaturate by 10%, it is **45.4021, 0.2336, 0.2725**.

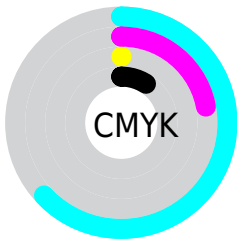
Distribution



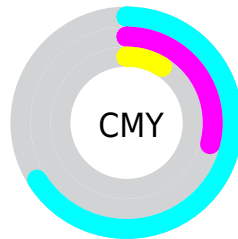
- Red (34%)
- Green (71%)
- Blue (91%)



- Red (34%)
- Yellow (56%)
- Blue (91%)



- Cyan (63%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (66%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7957, 0.2212, 0.2595 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 40.7957, 0.2212, 0.2595 by changing the saturation by 10% instead.


 40.7957, 0.2212,
0.2595


 40.7957, 0.2212,
0.2595


349.4660, 0.2659,
0.2949

 28.1595, 0.2106,
0.2506


 76.3737, 0.2371,
0.2724

 18.4459, 0.1972,
0.2393


 100.0842, 0.2432,
0.2773

 11.2706, 0.1802,
0.2245


 128.2550, 0.2484,
0.2814

 6.2492, 0.1580,
0.2044

 161.2704, 0.2529,
0.2849

 2.9972, 0.1281,
0.1760

199.5148, 0.2568,
0.2879

 1.1303, 0.0874,
0.1348

243.3726, 0.2602,

 0.0036, 0.0000,

0.2905

0.0012

293.2282, 0.2632,
0.2929

0.0000, 0.0000,
0.0000

40.7957, 0.2212,
0.2595

40.7957, 0.2212,
0.2595

36.7309, 0.2106,
0.2462

45.4021, 0.2336,
0.2725

33.1646, 0.2020,
0.2329

50.5794, 0.2473,
0.2849

30.0523, 0.1954,
0.2197

56.3597, 0.2620,
0.2967

28.0499, 0.1918,
0.2105

62.7707, 0.2773,
0.3076

69.8382, 0.2929,
0.3175

77.5864, 0.3084,
0.3266

86.0379, 0.3236,
0.3347

92.1233, 0.3278,
0.3424

97.0308, 0.3270,
0.3500

Harmonies

Analogous

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



40.7957, 0.2202, 0.2935



40.7957, 0.2212, 0.2595



40.7957, 0.2439, 0.2461

Triad

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



40.7957, 0.2212, 0.2595



40.7957, 0.3874, 0.3098



40.7957, 0.3332, 0.4222

Complementary

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



40.7957, 0.2212, 0.2595



35.2192, 0.4723, 0.3832

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.



40.7957, 0.3811, 0.4184



40.7957, 0.2212, 0.2595



40.7957, 0.4150, 0.3507

Square

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



40.7957, 0.2212, 0.2595



40.7957, 0.3384, 0.2749



40.7957, 0.4120, 0.3902



40.7957, 0.2821, 0.3938

Rectangle

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



40.7957, 0.2212, 0.2595



40.7957, 0.2699, 0.2481



40.7957, 0.4120, 0.3902



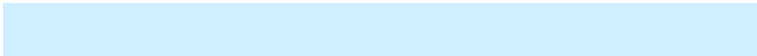
40.7957, 0.3502, 0.4244

Sweetspot

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



40.7972, 0.2212, 0.2595



81.7547, 0.2831, 0.3114



60.8488, 0.2824, 0.4680



16.9684, 0.2786, 0.3084



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.



40.7972, 0.2212, 0.2595



44.7602, 0.2082, 0.2428



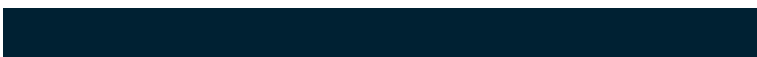
18.9033, 0.1974, 0.1566



15.4569, 0.2981, 0.3207



15.9658, 0.1924, 0.2125



1.3513, 0.1977, 0.2315

Inverse Universe

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



26.9583, 0.3776, 0.2282



28.5792, 0.3964, 0.2168



62.1894, 0.4157, 0.4544



14.5265, 0.3190, 0.3137



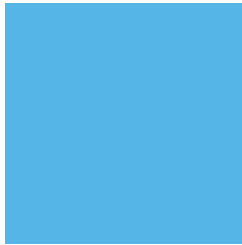
10.8095, 0.4313, 0.2150



0.8161, 0.4111, 0.2038

Previews

White Background



This preview shows how the Yxy color 40.7957, 0.2212, 0.2595 looks on a white background.

Color Contrast Check

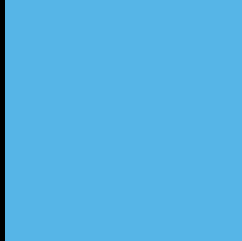
Large Text (above 18pt) WCAG AA × Fail

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 40.7957, 0.2212, 0.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

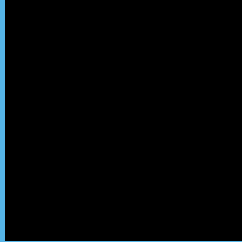
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

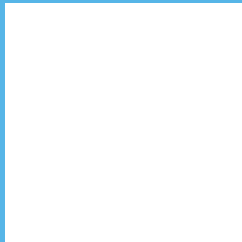
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7957, 0.2212, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 40.7957, 0.2212, 0.2595.



This preview shows how white text looks on a background with the Yxy color 40.7957, 0.2212, 0.2595.

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

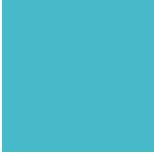
40.7957, 0.2212, 0.2595

Protanopia

40.2936, 0.2628, 0.2598

Deuteranopia

40.4298, 0.2506, 0.2445



Tritanopia

40.6745, 0.2311, 0.3061

Trichromacy



Original Color

40.7957, 0.2212, 0.2595

Protanomaly

40.0692, 0.2438, 0.2589

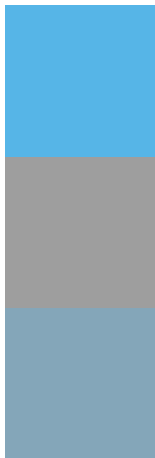
Deuteranomaly

40.2824, 0.2378, 0.2494

Tritanomaly

40.5709, 0.2270, 0.2877

Monochromacy



Original Color

40.7957, 0.2212, 0.2595

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6808, 0.2688, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7957, 0.2212, 0.2595 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(86, 181, 231)` looks like.

```
.text, #text, p{  
    color:rgb(86, 181, 231)  
}
```

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(86, 181, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 181, 231) }
```

Border

The CSS property to change the border of an element to Yxy 40.7957, 0.2212, 0.2595 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(86, 181, 231) }
```

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

```
.border{ border-color:rgb(86, 181, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 181, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 181, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 181, 231);  
box-shadow:4px 4px 4px 4px rgb(86, 181,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7957, 0.2212, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 181, 231) }
```

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

```
.background{ background-color: rgb(86, 181,  
231) }
```

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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