

Converting Colors

$Yxy(41.6245, 0.2211, 0.2611)$

Have a look what the booklet for
Yxy(41.6245, 0.2211, 0.2611)
contains.

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Color

Yxy(41.6245, 0.2211, 0.2611)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 55B7E8 |
| RGB | 85, 183, 232 |
| RGB Percent | 33%, 72%, 91% |
| CMY | 0.6667, 0.2824, 0.0900 |
| CMYK | 0.63, 0.21, 0.00, 0.09 |
| HSL | 200°, 76%, 62% |
| HSV | 200°, 63%, 91% |
| XYZ | 35.2477, 41.6245, 82.5476 |
| YIQ | 159.2840, -74.1370, -5.5370 |

Conversions

Conversions Part 2

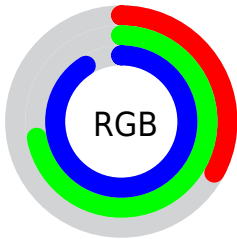
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 85, 144, 232 |
| Decimal | 5617640 |
| CIE Lab | 70.61, -14.10, -33.04 |
| CIE LCh | 71, 35.919, 246.889 |
| Yxy | 41.6245, 0.2211, 0.2611 |
| Android (android.graphics.Color) | 4283807720 (0xFF55B7E8) |
| YUV | 159.2840, 35.8490, -65.1471 |
| Hunter-Lab | 64.5171, -15.3846, -30.6978 |

Details

The Yxy color **41.6245, 0.2211, 0.2611** 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 **34.8732, 0.4757, 0.3817**, and the grayscale version is **34.6652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1560, 0.2518, 0.3106**, and **19.0999, 0.2006, 0.2422** is the 20% darker color. If you saturate the color by 10%, you get **37.6077, 0.2108, 0.2483**, and if you desaturate by 10%, it is **46.1756, 0.2332, 0.2737**.

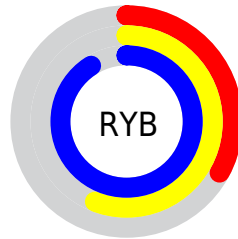
Distribution



Red (33%)

Green (72%)

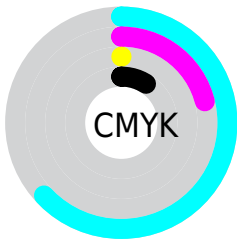
Blue (91%)



Red (33%)

Yellow (56%)

Blue (91%)

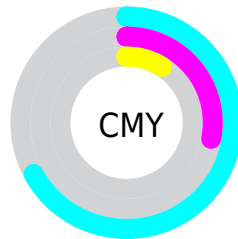


Cyan (63%)

Magenta (21%)

Yellow (0%)

Black (9%)



Cyan (67%)

Magenta (28%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6245, 0.2211, 0.2611 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 41.6245, 0.2211, 0.2611 by changing the saturation by 10% instead.

41.6245, 0.2211,
0.2611

41.6245, 0.2211,
0.2611

352.9240, 0.2657,
0.2957

28.8074, 0.2105,
0.2525

77.6310, 0.2369,
0.2737

18.9352, 0.1973,
0.2414

101.5892, 0.2430,
0.2785

11.6234, 0.1805,
0.2270

130.0298, 0.2482,
0.2824

6.4878, 0.1584,
0.2073

163.3373, 0.2527,
0.2859

3.1439, 0.1289,
0.1796

201.8961, 0.2566,
0.2888

1.2073, 0.0891,
0.1393

246.0906, 0.2600,

0.0677, 0.0000,

0.2914

0.0208

296.3050, 0.2630,
0.2937

■ 0.0000, 0.0000,
0.0000

■ 41.6245, 0.2211,
0.2611

■ 41.6245, 0.2211,
0.2611

■ 37.6077, 0.2108,
0.2483

■ 46.1756, 0.2332,
0.2737

■ 34.0818, 0.2024,
0.2354

■ 51.2907, 0.2467,
0.2857

■ 31.0012, 0.1961,
0.2227

■ 57.0020, 0.2613,
0.2971

■ 29.1587, 0.1929,
0.2144

■ 63.3375, 0.2765,
0.3077

■ 70.3230, 0.2920,
0.3174

■ 77.9828, 0.3075,
0.3262

■ 86.3398, 0.3228,
0.3342

■ 92.3330, 0.3272,
0.3416

■ 97.1106, 0.3264,
0.3490

Harmonies

Analogous

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



41.6245, 0.2212, 0.2959



41.6245, 0.2211, 0.2611



41.6245, 0.2427, 0.2467

Triad

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



41.6245, 0.2211, 0.2611



41.6245, 0.3849, 0.3080



41.6245, 0.3357, 0.4222

Complementary

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



41.6245, 0.2211, 0.2611



34.8732, 0.4757, 0.3817

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.



41.6245, 0.3828, 0.4170



41.6245, 0.2211, 0.2611



41.6245, 0.4138, 0.3485

Square

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



41.6245, 0.2211, 0.2611



41.6245, 0.3356, 0.2737



41.6245, 0.4123, 0.3881



41.6245, 0.2847, 0.3955

Rectangle

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



41.6245, 0.2211, 0.2611



41.6245, 0.2680, 0.2481



41.6245, 0.4123, 0.3881



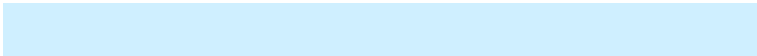
41.6245, 0.3525, 0.4238

Sweetspot

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



41.6260, 0.2211, 0.2611



82.0623, 0.2831, 0.3120



61.3860, 0.2823, 0.4695



17.0431, 0.2787, 0.3091



0.0000, 0.0000, 0.0000



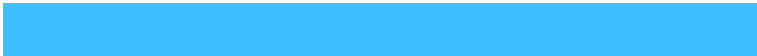
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.6260, 0.2211, 0.2611



45.2082, 0.2080, 0.2444



18.8013, 0.1964, 0.1549



15.4841, 0.2981, 0.3210



16.4228, 0.1935, 0.2164



1.3827, 0.1986, 0.2348

Inverse Universe

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



27.0752, 0.3763, 0.2260



28.3530, 0.3951, 0.2144



62.6997, 0.4165, 0.4552



14.5292, 0.3189, 0.3135



10.8556, 0.4271, 0.2126



0.8193, 0.4077, 0.2019

Previews

White Background



This preview shows how the Yxy color 41.6245, 0.2211, 0.2611 looks on a white background.

Color Contrast Check

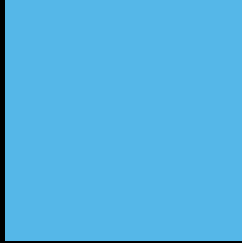
Large Text (above 18pt) WCAG AA × Fail

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 41.6245, 0.2211, 0.2611 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

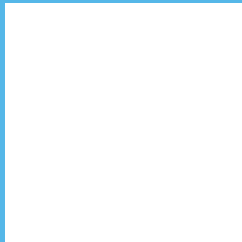
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6245, 0.2211, 0.2611

Background



This preview shows how black text looks on a background with the Yxy color 41.6245, 0.2211, 0.2611.



This preview shows how white text looks on a background with the Yxy color 41.6245, 0.2211, 0.2611.

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

41.6245, 0.2211, 0.2611

Protanopia

41.2925, 0.2639, 0.2616

Deuteranopia

41.0495, 0.2516, 0.2451



Tritanopia

41.6178, 0.2308, 0.3063

Trichromacy



Original Color

41.6245, 0.2211, 0.2611

Protanomaly

40.9762, 0.2443, 0.2606

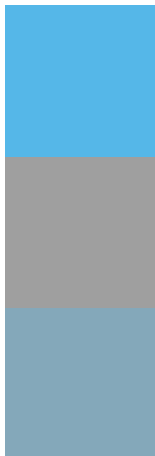
Deuteranomaly

40.8018, 0.2381, 0.2498

Tritanomaly

41.5094, 0.2268, 0.2881

Monochromacy



Original Color

41.6245, 0.2211, 0.2611

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.4560, 0.2685, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6245, 0.2211, 0.2611 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(85, 183, 232)` looks like.

```
.text, #text, p{  
    color:rgb(85, 183, 232)  
}
```

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(85, 183, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 183, 232) }
```

Border

The CSS property to change the border of an element to Yxy 41.6245, 0.2211, 0.2611 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(85, 183, 232) }
```

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

```
.border{ border-color:rgb(85, 183, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 183, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 183, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 183, 232);  
box-shadow:4px 4px 4px 4px rgb(85, 183,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6245, 0.2211, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 183, 232) }
```

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

```
.background{ background-color: rgb(85, 183,  
232) }
```

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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