

Converting Colors

$Y_{xy}(34.1113, 0.2045, 0.2305)$

Have a look what the booklet for
Yxy(34.1113, 0.2045, 0.2305)
contains.

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Color

Yxy(34.1113, 0.2045, 0.2305)

Conversions

Conversions Part 1

Format	Color
Hex	38A6EB
RGB	56, 166, 235
RGB Percent	22%, 65%, 92%
CMY	0.7806, 0.3490, 0.0783
CMYK	0.76, 0.29, 0.00, 0.08
HSL	203°, 82%, 57%
HSV	203°, 76%, 92%
XYZ	30.2636, 34.1113, 83.6134
YIQ	140.9760, -87.7090, -1.8610

Conversions

Conversions Part 2

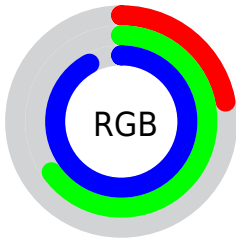
Format	Color
R _Y B	56, 124, 235
Decimal	3712747
CIE Lab	65.05, -7.93, -43.41
CIE LCh	65, 44.124, 259.646
Yxy	34.1113, 0.2045, 0.2305
Android (android.graphics.Color)	4281902827 (0xFF38A6EB)
YUV	140.9760, 46.3538, -74.5240
Hunter-Lab	58.4049, -9.7154, -43.9971

Details

The Yxy color **34.1113, 0.2045, 0.2305** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **32.6146, 0.5115, 0.3942**, and the grayscale version is **26.4617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4449, 0.2392, 0.2881**, and **15.2893, 0.1905, 0.2058** is the 20% darker color. If you saturate the color by 10%, you get **30.4087, 0.1960, 0.2155**, and if you desaturate by 10%, it is **38.3657, 0.2151, 0.2456**.

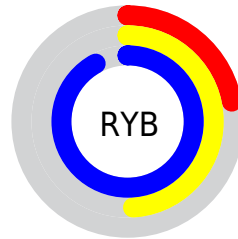
Distribution



Red (22%)

Green (65%)

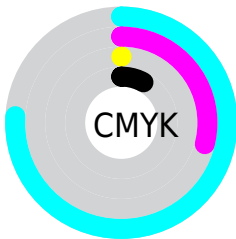
Blue (92%)



Red (22%)

Yellow (49%)

Blue (92%)

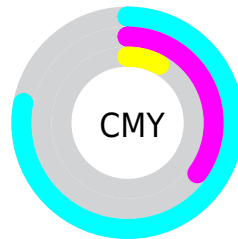


Cyan (76%)

Magenta (29%)

Yellow (0%)

Black (8%)



Cyan (78%)

Magenta (35%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1113, 0.2045, 0.2305 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 34.1113, 0.2045, 0.2305 by changing the saturation by 10% instead.

■ 34.1113, 0.2045,
0.2305

■ 34.1113, 0.2045,
0.2305

■ 320.6280, 0.2582,
0.2806

■ 22.9791, 0.1917,
0.2182

■ 66.1067, 0.2237,
0.2487

■ 14.5781, 0.1757,
0.2026

■ 87.7387, 0.2310,
0.2555

■ 8.5238, 0.1555,
0.1826

■ 113.6395, 0.2372,
0.2613

■ 4.4319, 0.1294,
0.1563

■ 144.1934, 0.2426,
0.2663

■ 1.9180, 0.0958,
0.1211

■ 179.7848, 0.2472,
0.2706

■ 0.5592, 0.0434,
0.0718

■ 220.7981, 0.2513,

■ 0.0000, 0.0000,

0.2743

0.0000

267.6177, 0.2550,
0.2776

■ 34.1113, 0.2045,
0.2305

■ 34.1113, 0.2045,
0.2305

■ 30.4087, 0.1960,
0.2155

■ 38.3657, 0.2151,
0.2456

■ 27.2008, 0.1897,
0.2009

■ 43.2123, 0.2275,
0.2604

■ 26.0798, 0.1876,
0.1954

■ 48.6905, 0.2414,
0.2747

■ 54.8345, 0.2563,
0.2883

■ 61.6753, 0.2718,
0.3009

■ 69.2417, 0.2875,
0.3125

■ 77.5606, 0.3032,
0.3230

■ 86.6574, 0.3185,
0.3325

■ 94.1128, 0.3251,
0.3412

Harmonies

Analogous

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



34.1113, 0.1929, 0.2621



34.1113, 0.2045, 0.2305



34.1113, 0.2417, 0.2245

Triad

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



34.1113, 0.2045, 0.2305



34.1113, 0.4283, 0.3216



34.1113, 0.3118, 0.4445

Complementary

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



34.1113, 0.2045, 0.2305



32.6146, 0.5115, 0.3942

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.



34.1113, 0.3772, 0.4520



34.1113, 0.2045, 0.2305



34.1113, 0.4490, 0.3731

Square

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



34.1113, 0.2045, 0.2305



34.1113, 0.3715, 0.2751



34.1113, 0.4284, 0.4213



34.1113, 0.2501, 0.3918

Rectangle

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



34.1113, 0.2045, 0.2305



34.1113, 0.2795, 0.2330



34.1113, 0.4284, 0.4213



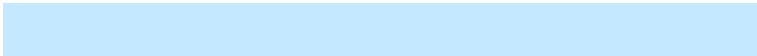
34.1113, 0.3341, 0.4523

Sweetspot

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



34.1124, 0.2045, 0.2305



76.9372, 0.2766, 0.3046



61.7470, 0.2777, 0.4896



15.7862, 0.2709, 0.3002



0.0000, 0.0000, 0.0000



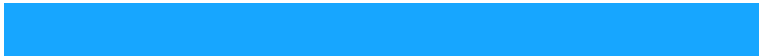
21.4041, 0.3127, 0.3290

Same Dimension

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



34.1124, 0.2045, 0.2305



34.5117, 0.1925, 0.2078



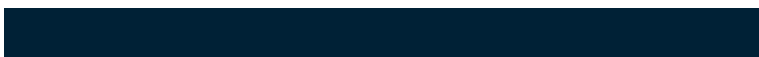
12.1242, 0.1731, 0.1089



16.0902, 0.2981, 0.3197



14.7643, 0.1883, 0.1977



1.3448, 0.1939, 0.2179

Inverse Universe

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



23.2443, 0.4088, 0.2232



24.6076, 0.4357, 0.2216



66.1185, 0.4263, 0.4772



15.2097, 0.3197, 0.3146



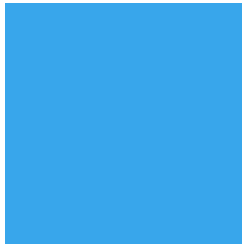
10.9833, 0.4479, 0.2241



0.8812, 0.4255, 0.2118

Previews

White Background



This preview shows how the Yxy color 34.1113, 0.2045, 0.2305 looks on a white background.

Color Contrast Check

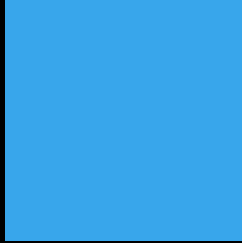
Large Text (above 18pt) WCAG AA × Fail

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 34.1113, 0.2045, 0.2305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

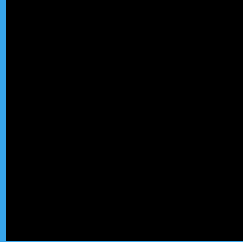
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

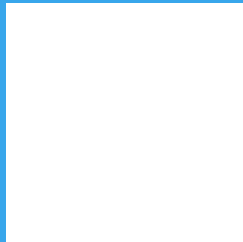
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1113, 0.2045, 0.2305

Background



This preview shows how black text looks on a background with the Yxy color 34.1113, 0.2045, 0.2305.

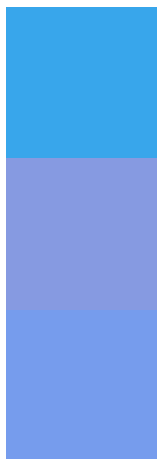


This preview shows how white text looks on a background with the Yxy color 34.1113, 0.2045, 0.2305.

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

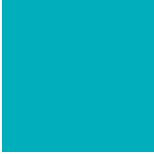
34.1113, 0.2045, 0.2305

Protanopia

33.6158, 0.2421, 0.2327

Deuteranopia

33.7429, 0.2262, 0.2203



Tritanopia

33.9029, 0.2182, 0.3055

Trichromacy



Original Color

34.1113, 0.2045, 0.2305

Protanomaly

33.1750, 0.2239, 0.2299

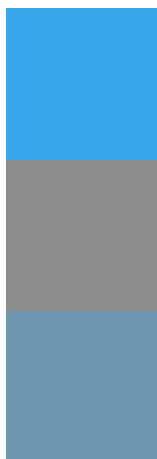
Deuteranomaly

33.6306, 0.2159, 0.2239

Tritanomaly

33.6823, 0.2113, 0.2751

Monochromacy



Original Color

34.1113, 0.2045, 0.2305

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.2228, 0.2559, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1113, 0.2045, 0.2305 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, 166, 235)` looks like.

```
.text, #text, p{  
    color:rgb(56, 166, 235)  
}
```

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, 166, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 166, 235) }
```

Border

The CSS property to change the border of an element to Yxy 34.1113, 0.2045, 0.2305 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, 166, 235) }
```

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

```
.border{ border-color:rgb(56, 166, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 166, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 166, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 166, 235);  
box-shadow:4px 4px 4px 4px rgb(56, 166,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1113, 0.2045, 0.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 166, 235) }
```

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

```
.background{ background-color: rgb(56, 166,  
235) }
```

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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