

Converting Colors

$Y_{xy}(34.0233, 0.2202, 0.2259)$

Have a look what the booklet for
Yxy(34.0233, 0.2202, 0.2259)
contains.

Yxy(34.0233, 0.2202, 0.2259)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.0233, 0.2202, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	67A0EB
RGB	103, 160, 235
RGB Percent	40%, 63%, 92%
CMY	0.5959, 0.3726, 0.0784
CMYK	0.56, 0.32, 0.00, 0.08
HSL	214°, 77%, 66%
HSV	214°, 56%, 92%
XYZ	33.1648, 34.0233, 83.4241
YIQ	151.5070, -58.0470, 11.2410

Conversions

Conversions Part 2

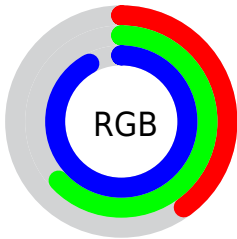
Format	Color
RYB	103, 143, 235
Decimal	6791403
CIELab	64.98, 2.95, -43.39
CIElCh	65, 43.487, 273.889
Yxy	34.0233, 0.2202, 0.2259
Android (android.graphics.Color)	4284981483 (0xFF67A0EB)
YUV	151.5070, 41.1620, -42.5406
Hunter-Lab	58.3295, -0.5856, -43.9672

Details

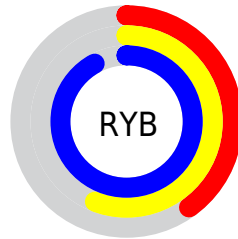
The Yxy color **34.0233, 0.2202, 0.2259** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.5135, 0.4281, 0.4107**, and the grayscale version is **31.0201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9945, 0.2547, 0.2815**, and **14.5493, 0.1944, 0.1978** is the 20% darker color. If you saturate the color by 10%, you get **28.4380, 0.2051, 0.2036**, and if you desaturate by 10%, it is **40.4993, 0.2366, 0.2476**.

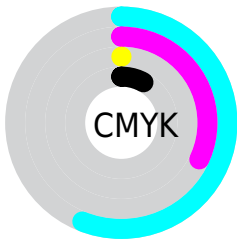
Distribution



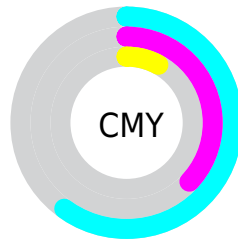
- Red (40%)
- Green (63%)
- Blue (92%)



- Red (40%)
- Yellow (56%)
- Blue (92%)



- Cyan (56%)
- Magenta (32%)
- Yellow (0%)
- Black (8%)





- Cyan (60%)
- Magenta (37%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0233, 0.2202, 0.2259 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 34.0233, 0.2202, 0.2259 by changing the saturation by 10% instead.


 34.0233, 0.2202,
0.2259


 34.0233, 0.2202,
0.2259


320.2359, 0.2668,
0.2773

 22.9115, 0.2088,
0.2135


 65.9699, 0.2370,
0.2444


 14.5282, 0.1945,
0.1979


 87.5735, 0.2434,
0.2514

 8.4889, 0.1761,
0.1780


 113.4431, 0.2488,
0.2573

 4.4094, 0.1519,
0.1520

 143.9632, 0.2534,
0.2625

 1.9051, 0.1195,
0.1177

179.5182, 0.2574,
0.2669

 0.5514, 0.0745,
0.0689

220.4923, 0.2609,

 0.0000, 0.0000,

0.2708

0.0000

267.2701, 0.2640,
0.2743

■ 34.0233, 0.2202,
0.2259

■ 34.0233, 0.2202,
0.2259

■ 28.4380, 0.2051,
0.2036

■ 40.4993, 0.2366,
0.2476

■ 23.6905, 0.1918,
0.1814

■ 47.9072, 0.2535,
0.2681

■ 19.7263, 0.1810,
0.1600

■ 56.2893, 0.2705,
0.2872

■ 16.4792, 0.1729,
0.1402

■ 65.6840, 0.2872,
0.3046

■ 15.3854, 0.1703,
0.1331

■ 76.1276, 0.3033,
0.3202

87.6540, 0.3184,
0.3342

97.8352, 0.3245,
0.3469

98.7788, 0.3244,
0.3483

Harmonies

Analogous

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



34.0233, 0.1965, 0.2448



34.0233, 0.2202, 0.2259



34.0233, 0.2683, 0.2308

Triad

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



34.0233, 0.2202, 0.2259



34.0233, 0.4416, 0.3459



34.0233, 0.2815, 0.4227

Complementary

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



34.0233, 0.2202, 0.2259



50.5135, 0.4281, 0.4107

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.



34.0233, 0.3466, 0.4526



34.0233, 0.2202, 0.2259



34.0233, 0.4422, 0.3964

Square

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



34.0233, 0.2202, 0.2259



34.0233, 0.4006, 0.2966



34.0233, 0.4058, 0.4380



34.0233, 0.2282, 0.3575

Rectangle

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



34.0233, 0.2202, 0.2259



34.0233, 0.3112, 0.2455



34.0233, 0.4058, 0.4380



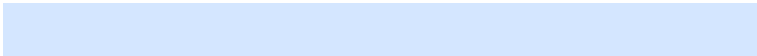
34.0233, 0.3027, 0.4378

Sweetspot

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



34.0245, 0.2202, 0.2259



77.9568, 0.2857, 0.3031



65.5171, 0.2687, 0.4063



16.1811, 0.2824, 0.2997



0.0000, 0.0000, 0.0000



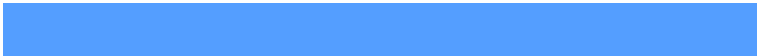
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0245, 0.2202, 0.2259



33.5216, 0.2035, 0.2010



19.1447, 0.2095, 0.1513



15.6179, 0.2980, 0.3152



8.8045, 0.1711, 0.1360



0.8792, 0.1786, 0.1629

Inverse Universe

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



29.9128, 0.4059, 0.2671



30.0882, 0.4357, 0.2592



76.6066, 0.3866, 0.4657



15.1620, 0.3225, 0.3189



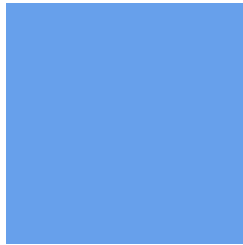
10.3816, 0.5245, 0.2663



0.8342, 0.4894, 0.2470

Previews

White Background



This preview shows how the Yxy color 34.0233, 0.2202, 0.2259 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 34.0233, 0.2202, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

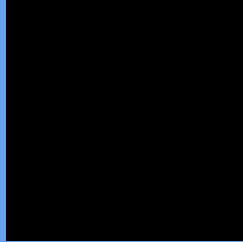
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

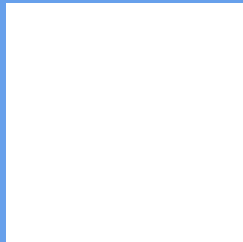
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0233, 0.2202, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 34.0233, 0.2202, 0.2259.



This preview shows how white text looks on a background with the Yxy color 34.0233, 0.2202, 0.2259.

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

34.0233, 0.2202, 0.2259

Protanopia

33.7299, 0.2379, 0.2270

Deuteranopia

33.8261, 0.2278, 0.2216



Tritanopia

34.0491, 0.2392, 0.3063

Trichromacy



Original Color

34.0233, 0.2202, 0.2259

Protanomaly

33.6681, 0.2304, 0.2259

Deuteranomaly

33.7475, 0.2246, 0.2221

Tritanomaly

33.7579, 0.2311, 0.2725

Monochromacy



Original Color

34.0233, 0.2202, 0.2259

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.8884, 0.2709, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0233, 0.2202, 0.2259 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(103, 160, 235)` looks like.

```
.text, #text, p{  
    color:rgb(103, 160, 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(103, 160, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 160, 235) }
```

Border

The CSS property to change the border of an element to Yxy 34.0233, 0.2202, 0.2259 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(103, 160, 235) }
```

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

```
.border{ border-color:rgb(103, 160, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 160, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 160, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 160, 235);  
box-shadow:4px 4px 4px 4px rgb(103, 160,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0233, 0.2202, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 160, 235) }
```

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

```
.background{ background-color: rgb(103,  
160, 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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