

Converting Colors

$Y_{xy}(34.1267, 0.2256, 0.2314)$

Have a look what the booklet for
Yxy(34.1267, 0.2256, 0.2314)
contains.

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Color

Yxy(34.1623, 0.2252, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	6DA0E7
RGB	109, 160, 231
RGB Percent	43%, 63%, 91%
CMY	0.5723, 0.3726, 0.0942
CMYK	0.53, 0.31, 0.00, 0.09
HSL	215°, 72%, 67%
HSV	215°, 53%, 91%
XYZ	33.3045, 34.1623, 80.4219
YIQ	152.8450, -53.1870, 11.2690

Conversions

Conversions Part 2

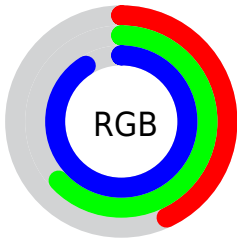
Format	Color
R _Y B	109, 145, 231
Decimal	7184615
CIE Lab	65.09, 2.97, -40.97
CIE LCh	65, 41.082, 274.143
Yxy	34.1623, 0.2252, 0.2310
Android (android.graphics.Color)	4285374695 (0xFF6DA0E7)
YUV	152.8450, 38.5304, -38.4521
Hunter-Lab	58.4485, -0.5739, -40.6658

Details

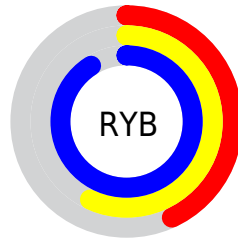
The Yxy color **34.1623, 0.2252, 0.2310** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.7552, 0.4186, 0.4082**, and the grayscale version is **31.6379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5286, 0.2575, 0.2819**, and **14.6368, 0.2007, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **28.4715, 0.2094, 0.2083**, and if you desaturate by 10%, it is **40.7449, 0.2420, 0.2529**.

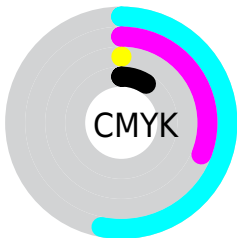
Distribution



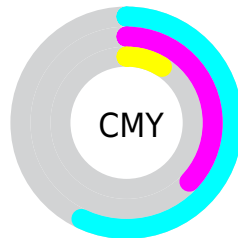
- Red (43%)
- Green (63%)
- Blue (91%)



- Red (43%)
- Yellow (57%)
- Blue (91%)



- Cyan (53%)
- Magenta (31%)
- Yellow (0%)
- Black (9%)




- Cyan (57%)
- Magenta (37%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1623, 0.2252, 0.2310 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 34.1623, 0.2252, 0.2310 by changing the saturation by 10% instead.


 34.1623, 0.2252,
0.2310


 34.1623, 0.2252,
0.2310

320.8551, 0.2694,
0.2801

 23.0183, 0.2143,
0.2191


 66.1860, 0.2412,
0.2487

 14.6070, 0.2006,
0.2040


 87.8345, 0.2473,
0.2554

 8.5441, 0.1828,
0.1847


 113.7532, 0.2524,
0.2610

 4.4450, 0.1591,
0.1592

144.3267, 0.2568,
0.2659

 1.9255, 0.1270,
0.1251

179.9392, 0.2606,
0.2702

 0.5636, 0.0814,
0.0755

220.9752, 0.2639,

 0.0000, 0.0000,

0.2739

0.0000

267.8190, 0.2668,
0.2772

■ 34.1623, 0.2252,
0.2310

■ 34.1623, 0.2252,
0.2310

■ 28.4715, 0.2094,
0.2083

■ 40.7449, 0.2420,
0.2529

■ 23.6221, 0.1953,
0.1855

■ 48.2583, 0.2592,
0.2734

■ 19.5629, 0.1834,
0.1634

■ 56.7435, 0.2762,
0.2924

■ 16.2332, 0.1743,
0.1427

■ 66.2374, 0.2927,
0.3096

■ 14.2225, 0.1692,
0.1290

■ 76.7749, 0.3085,
0.3250

 88.3892, 0.3233,
0.3387

 98.0000, 0.3269,
0.3515

 98.5482, 0.3268,
0.3523

Harmonies

Analogous

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



34.1623, 0.2023, 0.2492



34.1623, 0.2252, 0.2310



34.1623, 0.2713, 0.2357

Triad

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



34.1623, 0.2252, 0.2310



34.1623, 0.4345, 0.3460



34.1623, 0.2830, 0.4165

Complementary

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



34.1623, 0.2252, 0.2310



50.7552, 0.4186, 0.4082

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.



34.1623, 0.3448, 0.4451



34.1623, 0.2252, 0.2310



34.1623, 0.4352, 0.3941

Square

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



34.1623, 0.2252, 0.2310



34.1623, 0.3961, 0.2988



34.1623, 0.4009, 0.4327



34.1623, 0.2324, 0.3554

Rectangle

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



34.1623, 0.2252, 0.2310



34.1623, 0.3120, 0.2499



34.1623, 0.4009, 0.4327



34.1623, 0.3032, 0.4307

Sweetspot

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



34.1635, 0.2252, 0.2310



78.8342, 0.2873, 0.3041



63.6149, 0.2704, 0.4007



16.3437, 0.2839, 0.3006



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.



34.1635, 0.2252, 0.2310



35.2680, 0.2086, 0.2070



20.5165, 0.2165, 0.1630



14.8715, 0.2981, 0.3149



8.2076, 0.1700, 0.1320



0.7866, 0.1780, 0.1607

Inverse Universe

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



30.4755, 0.3996, 0.2721



31.9172, 0.4276, 0.2637



73.9085, 0.3830, 0.4587



14.4674, 0.3227, 0.3192



10.0263, 0.5299, 0.2693



0.7591, 0.4923, 0.2485

Previews

White Background



This preview shows how the Yxy color 34.1623, 0.2252, 0.2310 looks on a white background.

Color Contrast Check

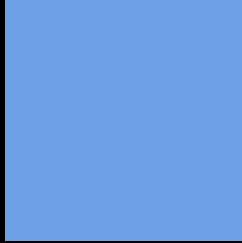
Large Text (above 18pt) WCAG AA × Fail

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 34.1623, 0.2252, 0.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

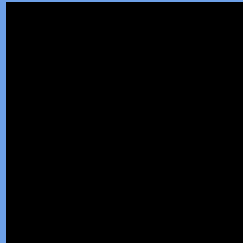
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

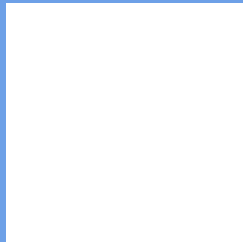
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1623, 0.2252, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 34.1623, 0.2252, 0.2310.

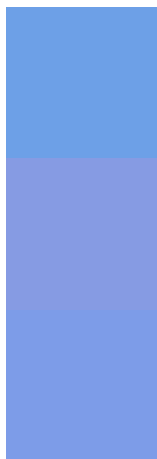


This preview shows how white text looks on a background with the Yxy color 34.1623, 0.2252, 0.2310.

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

34.1623, 0.2252, 0.2310

Protanopia

34.0571, 0.2412, 0.2319

Deuteranopia

33.9631, 0.2328, 0.2265



Tritanopia

34.0701, 0.2442, 0.3065

Trichromacy



Original Color

34.1623, 0.2252, 0.2310

Protanomaly

34.0754, 0.2352, 0.2322

Deuteranomaly

33.8621, 0.2295, 0.2270

Tritanomaly

34.0392, 0.2369, 0.2772

Monochromacy



Original Color

34.1623, 0.2252, 0.2310

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4315, 0.2743, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1623, 0.2252, 0.2310 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(109, 160, 231)` looks like.

```
.text, #text, p{  
    color:rgb(109, 160, 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(109, 160, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 160, 231) }
```

Border

The CSS property to change the border of an element to Yxy 34.1623, 0.2252, 0.2310 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(109, 160, 231) }
```

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

```
.border{ border-color:rgb(109, 160, 231) }
```

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

Here you see how a box with a 4 pixel rgb(109, 160, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 160, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 160, 231);  
box-shadow:4px 4px 4px 4px rgb(109, 160,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1623, 0.2252, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 160, 231) }
```

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

```
.background{ background-color: rgb(109,  
160, 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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