

Converting Colors

$Yxy(33.8765, 0.2199, 0.2472)$

Have a look what the booklet for
Yxy(33.8765, 0.2199, 0.2472)
contains.

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Color

Yxy(34.0620, 0.2197, 0.2474)

Conversions

Conversions Part 1

Format	Color
Hex	55A5DD
RGB	85, 165, 221
RGB Percent	33%, 65%, 87%
CMY	0.6667, 0.3529, 0.1334
CMYK	0.62, 0.25, 0.00, 0.13
HSL	205°, 67%, 60%
HSV	205°, 62%, 87%
XYZ	30.2483, 34.0620, 73.3696
YIQ	147.4640, -65.6560, 0.4560

Conversions

Conversions Part 2

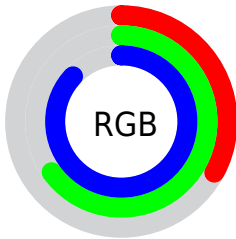
Format	Color
RYB	85, 135, 221
Decimal	5613021
CIELab	65.01, -7.82, -35.66
CIELCh	65, 36.512, 257.633
Yxy	34.0620, 0.2197, 0.2474
Android (android.graphics.Color)	4283803101 (0xFF55A5DD)
YUV	147.4640, 36.2532, -54.7809
Hunter-Lab	58.3627, -9.6215, -33.6815

Details

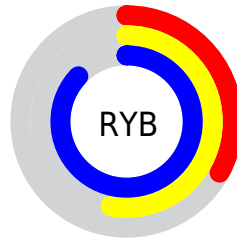
The Yxy color **34.0620, 0.2197, 0.2474** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **35.0589, 0.4592, 0.3929**, and the grayscale version is **29.2456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4261, 0.2471, 0.2878**, and **14.5634, 0.1950, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **30.0206, 0.2078, 0.2314**, and if you desaturate by 10%, it is **38.6619, 0.2332, 0.2630**.

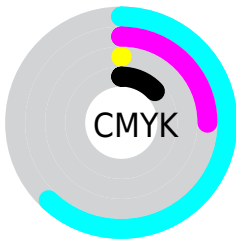
Distribution



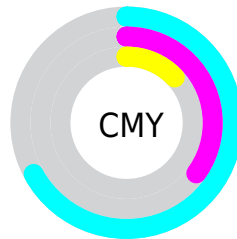
- Red (33%)
- Green (65%)
- Blue (87%)



- Red (33%)
- Yellow (53%)
- Blue (87%)



- Cyan (62%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)



- Cyan (67%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0620, 0.2197, 0.2474 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 34.0620, 0.2197, 0.2474 by changing the saturation by 10% instead.

■ 34.0620, 0.2197,
0.2474

■ 34.0620, 0.2197,
0.2474

■ 320.4084, 0.2665,
0.2895

■ 22.9412, 0.2082,
0.2367

■ 66.0301, 0.2366,
0.2629

■ 14.5501, 0.1937,
0.2231

■ 87.6462, 0.2430,
0.2686

■ 8.5043, 0.1749,
0.2051

■ 113.5295, 0.2484,
0.2735

■ 4.4193, 0.1499,
0.1806

■ 144.0644, 0.2531,
0.2776

■ 1.9108, 0.1160,
0.1463

■ 179.6354, 0.2571,
0.2812

■ 0.5548, 0.0566,
0.0933

■ 220.6268, 0.2606,

■ 0.0000, 0.0000,

0.2843

0.0000

267.4230, 0.2637,
0.2871

■ 34.0620, 0.2197,
0.2474

■ 34.0620, 0.2197,
0.2474

■ 30.0206, 0.2078,
0.2314

■ 38.6619, 0.2332,
0.2630

■ 26.4980, 0.1979,
0.2153

■ 43.8487, 0.2479,
0.2780

■ 23.4532, 0.1902,
0.1995

■ 49.6522, 0.2633,
0.2920

■ 21.1938, 0.1852,
0.1866

■ 56.0992, 0.2791,
0.3050

■ 63.2144, 0.2949,
0.3168

71.0210, 0.3104,
0.3275

79.5409, 0.3254,
0.3370

87.4896, 0.3350,
0.3457

92.9126, 0.3338,
0.3545

Harmonies

Analogous

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



34.0620, 0.2113, 0.2768



34.0620, 0.2197, 0.2474



34.0620, 0.2505, 0.2400

Triad

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



34.0620, 0.2197, 0.2474



34.0620, 0.4059, 0.3211



34.0620, 0.3170, 0.4245

Complementary

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



34.0620, 0.2197, 0.2474



35.0589, 0.4592, 0.3929

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.



34.0620, 0.3713, 0.4303



34.0620, 0.2197, 0.2474



34.0620, 0.4258, 0.3653

Square

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



34.0620, 0.2197, 0.2474



34.0620, 0.3580, 0.2813



34.0620, 0.4120, 0.4056



34.0620, 0.2642, 0.3840

Rectangle

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



34.0620, 0.2197, 0.2474



34.0620, 0.2819, 0.2464



34.0620, 0.4120, 0.4056



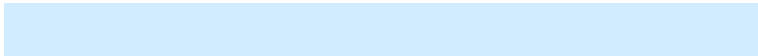
34.0620, 0.3357, 0.4305

Sweetspot

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



34.0632, 0.2197, 0.2474



80.8443, 0.2845, 0.3091



55.5060, 0.2781, 0.4503



16.7041, 0.2798, 0.3055



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.



34.0632, 0.2197, 0.2474



39.9683, 0.2046, 0.2265



15.9943, 0.1972, 0.1487



13.8843, 0.2982, 0.3191



12.5430, 0.1858, 0.1889



0.9808, 0.1928, 0.2141

Inverse Universe

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



24.5796, 0.3881, 0.2394



28.3796, 0.4123, 0.2287



60.8324, 0.4074, 0.4602



13.1794, 0.3200, 0.3153



9.8900, 0.4580, 0.2297



0.6577, 0.4296, 0.2140

Previews

White Background



This preview shows how the Yxy color 34.0620, 0.2197, 0.2474 looks on a white background.

Color Contrast Check

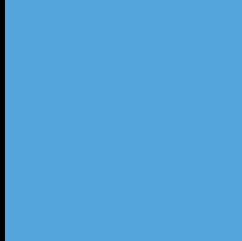
Large Text (above 18pt) WCAG AA × Fail

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 34.0620, 0.2197, 0.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

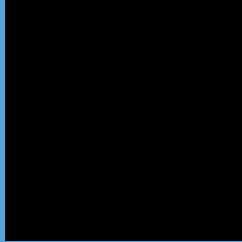
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

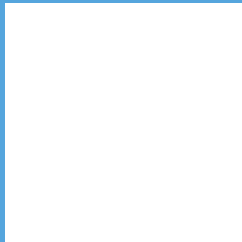
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0620, 0.2197, 0.2474

Background



This preview shows how black text looks on a background with the Yxy color 34.0620, 0.2197, 0.2474.

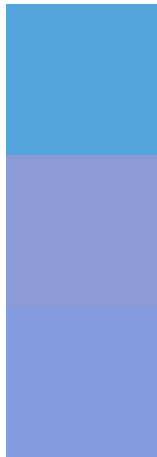


This preview shows how white text looks on a background with the Yxy color 34.0620, 0.2197, 0.2474.

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

34.0620, 0.2197, 0.2474

Protanopia

33.8222, 0.2540, 0.2486

Deuteranopia

33.6759, 0.2421, 0.2360



Tritanopia

34.2368, 0.2327, 0.3077

Trichromacy



Original Color

34.0620, 0.2197, 0.2474

Protanomaly

33.7472, 0.2392, 0.2480

Deuteranomaly

33.7150, 0.2328, 0.2404

Tritanomaly

33.9090, 0.2274, 0.2834

Monochromacy



Original Color

34.0620, 0.2197, 0.2474

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.4523, 0.2685, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0620, 0.2197, 0.2474 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, 165, 221)` looks like.

```
.text, #text, p{  
    color:rgb(85, 165, 221)  
}
```

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, 165, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 165, 221) }
```

Border

The CSS property to change the border of an element to Yxy 34.0620, 0.2197, 0.2474 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, 165, 221) }
```

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

```
.border{ border-color:rgb(85, 165, 221) }
```

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

Here you see how a box with a 4 pixel rgb(85, 165, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 165, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 165, 221);  
box-shadow:4px 4px 4px 4px rgb(85, 165,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0620, 0.2197, 0.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 165, 221) }
```

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

```
.background{ background-color: rgb(85, 165,  
221) }
```

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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