

Converting Colors

$Yxy(34.4736, 0.2141, 0.2354)$

Have a look what the booklet for
Yxy(34.4736, 0.2141, 0.2354)
contains.

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Color

Yxy(34.4736, 0.2141, 0.2354)

Conversions

Conversions Part 1

Format	Color
Hex	52A5E7
RGB	82, 165, 231
RGB Percent	32%, 65%, 91%
CMY	0.6788, 0.3529, 0.0940
CMYK	0.65, 0.29, 0.00, 0.09
HSL	207°, 76%, 61%
HSV	207°, 65%, 91%
XYZ	31.3543, 34.4736, 80.6190
YIQ	147.7070, -70.6540, 2.9300

Conversions

Conversions Part 2

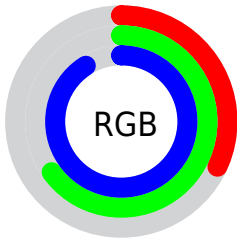
Format	Color
R_{YB}	82, 135, 231
Decimal	5416423
CIE _{Lab}	65.34, -5.11, -40.70
CIE _{LCh}	65, 41.019, 262.844
Yxy	34.4736, 0.2141, 0.2354
Android (android.graphics.Color)	4283606503 (0xFF52A5E7)
YUV	147.7070, 41.0634, -57.6250
Hunter-Lab	58.7142, -7.4282, -40.3096

Details

The Yxy color **34.4736, 0.2141, 0.2354** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **38.7534, 0.4651, 0.4000**, and the grayscale version is **29.3253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3357, 0.2466, 0.2877**, and **14.9054, 0.1914, 0.2092** is the 20% darker color. If you saturate the color by 10%, you get **30.0657, 0.2023, 0.2180**, and if you desaturate by 10%, it is **39.5272, 0.2276, 0.2525**.

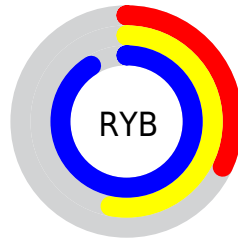
Distribution



Red (32%)

Green (65%)

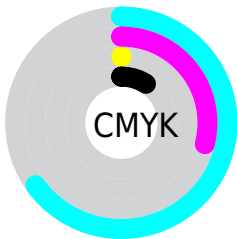
Blue (91%)



Red (32%)

Yellow (53%)

Blue (91%)

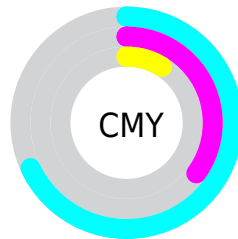


Cyan (65%)

Magenta (29%)

Yellow (0%)

Black (9%)



Cyan (68%)

Magenta (35%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4736, 0.2141, 0.2354 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 34.4736, 0.2141, 0.2354 by changing the saturation by 10% instead.

■ 34.4736, 0.2141,
0.2354

■ 34.4736, 0.2141,
0.2354

■ 322.2387, 0.2634,
0.2829

■ 23.2577, 0.2022,
0.2237

■ 66.6695, 0.2318,
0.2526

■ 14.7839, 0.1872,
0.2088

■ 88.4182, 0.2385,
0.2591

■ 8.6679, 0.1680,
0.1896

■ 114.4467, 0.2442,
0.2646

■ 4.5252, 0.1430,
0.1641

■ 145.1393, 0.2491,
0.2693

■ 1.9715, 0.1097,
0.1296

■ 180.8804, 0.2534,
0.2734

■ 0.5908, 0.0594,
0.0803

■ 222.0544, 0.2571,

■ 0.0000, 0.0000,

0.2770

0.0000

269.0457, 0.2604,
0.2801

■ 34.4736, 0.2141,
0.2354

■ 34.4736, 0.2141,
0.2354

■ 30.0657, 0.2023,
0.2180

■ 39.5272, 0.2276,
0.2525

■ 26.2565, 0.1927,
0.2007

■ 45.2612, 0.2424,
0.2690

■ 22.9953, 0.1853,
0.1840

■ 51.7112, 0.2581,
0.2845

■ 21.4070, 0.1820,
0.1751

■ 58.9088, 0.2741,
0.2989

■ 66.8834, 0.2900,
0.3121

■ 75.6626, 0.3057,
0.3240

■ 85.2722, 0.3209,
0.3346

■ 93.4457, 0.3276,
0.3444

■ 98.5508, 0.3268,
0.3522

Harmonies

Analogous

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



34.4736, 0.2005, 0.2628



34.4736, 0.2141, 0.2354



34.4736, 0.2517, 0.2318

Triad

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



34.4736, 0.2141, 0.2354



34.4736, 0.4236, 0.3278



34.4736, 0.3059, 0.4317

Complementary

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



34.4736, 0.2141, 0.2354



38.7534, 0.4651, 0.4000

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.



34.4736, 0.3673, 0.4442



34.4736, 0.2141, 0.2354



34.4736, 0.4389, 0.3763

Square

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



34.4736, 0.2141, 0.2354



34.4736, 0.3739, 0.2830



34.4736, 0.4167, 0.4198



34.4736, 0.2495, 0.3802

Rectangle

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



34.4736, 0.2141, 0.2354



34.4736, 0.2884, 0.2412



34.4736, 0.4167, 0.4198



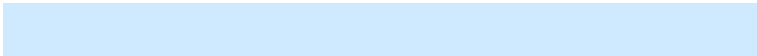
34.4736, 0.3267, 0.4407

Sweetspot

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



34.4748, 0.2141, 0.2354



79.0118, 0.2828, 0.3063



61.0457, 0.2750, 0.4503



16.3038, 0.2782, 0.3024



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.



34.4748, 0.2141, 0.2354



36.1744, 0.1993, 0.2130



15.1877, 0.1899, 0.1329



15.2128, 0.2981, 0.3183



12.2500, 0.1827, 0.1777



1.0898, 0.1894, 0.2018

Inverse Universe

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



25.7298, 0.4004, 0.2409



27.1823, 0.4271, 0.2328



69.3564, 0.4082, 0.4690



14.5018, 0.3205, 0.3160



10.4344, 0.4713, 0.2370



0.7897, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 34.4736, 0.2141, 0.2354 looks on a white background.

Color Contrast Check

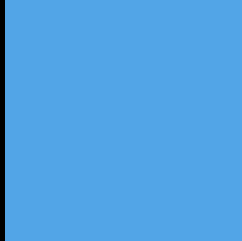
Large Text (above 18pt) WCAG AA × Fail

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 34.4736, 0.2141, 0.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

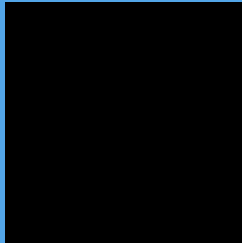
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

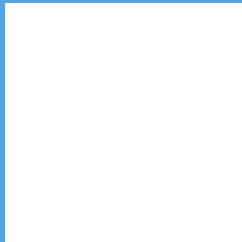
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.4736, 0.2141, 0.2354

Background



This preview shows how black text looks on a background with the Yxy color 34.4736, 0.2141, 0.2354.

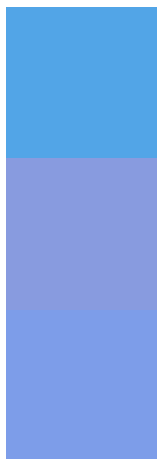


This preview shows how white text looks on a background with the Yxy color 34.4736, 0.2141, 0.2354.

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

34.4736, 0.2141, 0.2354

Protanopia

34.0046, 0.2449, 0.2366

Deuteranopia

34.3571, 0.2326, 0.2269



Tritanopia

34.3745, 0.2284, 0.3060

Trichromacy



Original Color

34.4736, 0.2141, 0.2354

Protanomaly

34.0003, 0.2313, 0.2360

Deuteranomaly

34.2190, 0.2247, 0.2299

Tritanomaly

34.2545, 0.2226, 0.2776

Monochromacy



Original Color

34.4736, 0.2141, 0.2354

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.6106, 0.2656, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4736, 0.2141, 0.2354 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(82, 165, 231)` looks like.

```
.text, #text, p{  
    color:rgb(82, 165, 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(82, 165, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 165, 231) }
```

Border

The CSS property to change the border of an element to Yxy 34.4736, 0.2141, 0.2354 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(82, 165, 231) }
```

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

```
.border{ border-color:rgb(82, 165, 231) }
```

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

Here you see how a box with a 4 pixel rgb(82, 165, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 165, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 165, 231);  
box-shadow:4px 4px 4px 4px rgb(82, 165,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4736, 0.2141, 0.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 165, 231) }
```

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

```
.background{ background-color: rgb(82, 165,  
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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