

Converting Colors

$Yxy(34.8427, 0.2092, 0.2296)$

Have a look what the booklet for
Yxy(34.8427, 0.2092, 0.2296)
contains.

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Color

Yxy(34.8427, 0.2092, 0.2296)

Conversions

Conversions Part 1

Format	Color
Hex	4AA6ED
RGB	74, 166, 237
RGB Percent	29%, 65%, 93%
CMY	0.7096, 0.3490, 0.0706
CMYK	0.69, 0.30, 0.00, 0.07
HSL	206°, 82%, 61%
HSV	206°, 69%, 93%
XYZ	31.7469, 34.8427, 85.1643
YIQ	146.5860, -77.6230, 2.5770

Conversions

Conversions Part 2

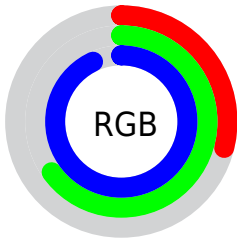
Format	Color
RYB	74, 133, 237
Decimal	4892397
CIELab	65.63, -4.92, -43.54
CIElCh	66, 43.816, 263.553
Yxy	34.8427, 0.2092, 0.2296
Android (android.graphics.Color)	4283082477 (0xFF4AA6ED)
YUV	146.5860, 44.5741, -63.6579
Hunter-Lab	59.0277, -7.2957, -44.2233

Details

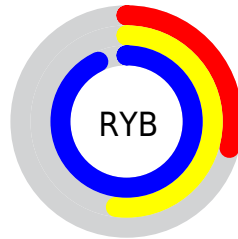
The Yxy color **34.8427, 0.2092, 0.2296** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.7587, 0.4793, 0.4013**, and the grayscale version is **28.8399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4219, 0.2445, 0.2887**, and **15.3708, 0.1898, 0.2032** is the 20% darker color. If you saturate the color by 10%, you get **30.4688, 0.1984, 0.2125**, and if you desaturate by 10%, it is **39.8744, 0.2219, 0.2466**.

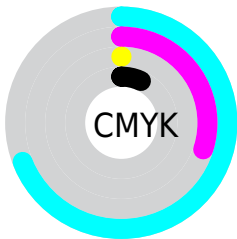
Distribution



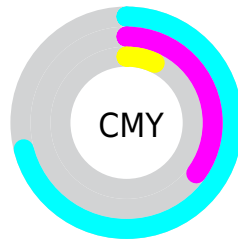
- Red (29%)
- Green (65%)
- Blue (93%)



- Red (29%)
- Yellow (52%)
- Blue (93%)



- Cyan (69%)
- Magenta (30%)
- Yellow (0%)
- Black (7%)





- Cyan (71%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8427, 0.2092, 0.2296 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 34.8427, 0.2092, 0.2296 by changing the saturation by 10% instead.


 34.8427, 0.2092,
0.2296


 34.8427, 0.2092,
0.2296


323.8735, 0.2606,
0.2797

 23.5417, 0.1969,
0.2174


 67.2420, 0.2276,
0.2477


 14.9940, 0.1816,
0.2020


 89.1091, 0.2346,
0.2545

 8.8152, 0.1621,
0.1823


 115.2671, 0.2405,
0.2603

 4.6208, 0.1368,
0.1565

 146.1003, 0.2457,
0.2653

 2.0266, 0.1040,
0.1222

181.9932, 0.2501,
0.2696

 0.6228, 0.0570,
0.0752

223.3301, 0.2540,

 0.0000, 0.0000,

0.2734

0.0000

270.4954, 0.2575,
0.2767

■ 34.8427, 0.2092,
0.2296

■ 34.8427, 0.2092,
0.2296

■ 30.4688, 0.1984,
0.2125

■ 39.8744, 0.2219,
0.2466

■ 26.7001, 0.1898,
0.1956

■ 45.6029, 0.2362,
0.2632

■ 23.4680, 0.1834,
0.1794

■ 52.0672, 0.2515,
0.2789

■ 23.0928, 0.1826,
0.1774

■ 59.3019, 0.2673,
0.2936

■ 67.3387, 0.2833,
0.3071

■ 76.2076, 0.2992,
0.3193

■ 85.9364, 0.3146,
0.3303

■ 94.8771, 0.3238,
0.3403

■ 98.8938, 0.3232,
0.3464

Harmonies

Analogous

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



34.8427, 0.1943, 0.2575



34.8427, 0.2092, 0.2296



34.8427, 0.2492, 0.2267

Triad

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



34.8427, 0.2092, 0.2296



34.8427, 0.4316, 0.3284



34.8427, 0.3035, 0.4382

Complementary

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



34.8427, 0.2092, 0.2296



38.7587, 0.4793, 0.4013

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.



34.8427, 0.3685, 0.4519



34.8427, 0.2092, 0.2296



34.8427, 0.4467, 0.3794

Square

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



34.8427, 0.2092, 0.2296



34.8427, 0.3793, 0.2812



34.8427, 0.4217, 0.4256



34.8427, 0.2443, 0.3820

Rectangle

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



34.8427, 0.2092, 0.2296



34.8427, 0.2882, 0.2369



34.8427, 0.4217, 0.4256



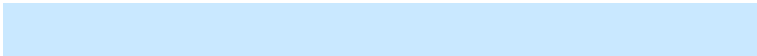
34.8427, 0.3254, 0.4481

Sweetspot

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



34.8439, 0.2092, 0.2296



77.2277, 0.2796, 0.3040



64.0537, 0.2743, 0.4600



15.9594, 0.2751, 0.3003



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.



34.8439, 0.2092, 0.2296



33.8617, 0.1942, 0.2047



14.0537, 0.1823, 0.1200



15.9596, 0.2981, 0.3185



12.8751, 0.1833, 0.1800



1.2019, 0.1896, 0.2025

Inverse Universe

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



25.6593, 0.4075, 0.2362



25.6502, 0.4377, 0.2305



72.9594, 0.4128, 0.4751



15.1965, 0.3205, 0.3158



10.7926, 0.4685, 0.2355



0.8667, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 34.8427, 0.2092, 0.2296 looks on a white background.

Color Contrast Check

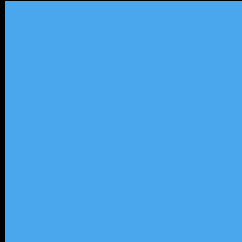
Large Text (above 18pt) WCAG AA × Fail

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 34.8427, 0.2092, 0.2296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

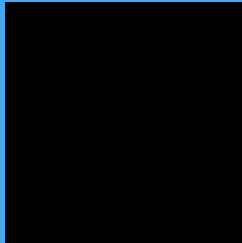
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

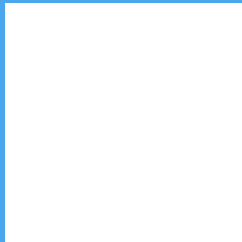
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8427, 0.2092, 0.2296

Background



This preview shows how black text looks on a background with the Yxy color 34.8427, 0.2092, 0.2296.



This preview shows how white text looks on a background with the Yxy color 34.8427, 0.2092, 0.2296.

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

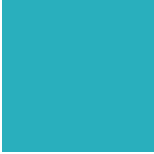
34.8427, 0.2092, 0.2296

Protanopia

34.5850, 0.2409, 0.2313

Deuteranopia

34.7507, 0.2274, 0.2214



Tritanopia

34.8055, 0.2235, 0.3060

Trichromacy



Original Color

34.8427, 0.2092, 0.2296

Protanomaly

34.4785, 0.2269, 0.2304

Deuteranomaly

34.6058, 0.2196, 0.2243

Tritanomaly

34.7182, 0.2176, 0.2761

Monochromacy



Original Color

34.8427, 0.2092, 0.2296

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.3996, 0.2610, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8427, 0.2092, 0.2296 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(74, 166, 237)` looks like.

```
.text, #text, p{  
    color:rgb(74, 166, 237)  
}
```

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(74, 166, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 166, 237) }
```

Border

The CSS property to change the border of an element to Yxy 34.8427, 0.2092, 0.2296 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(74, 166, 237) }
```

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

```
.border{ border-color:rgb(74, 166, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 166, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 166, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 166, 237);  
box-shadow:4px 4px 4px 4px rgb(74, 166,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8427, 0.2092, 0.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 166, 237) }
```

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

```
.background{ background-color: rgb(74, 166,  
237) }
```

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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