

Converting Colors

$Y_{xy}(25.9985, 0.2045, 0.2100)$

Have a look what the booklet for
Yxy(25.9985, 0.2045, 0.2100)
contains.

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Color

Yxy(25.8851, 0.2042, 0.2088)

Conversions

Conversions Part 1

Format	Color
Hex	458EDE
RGB	69, 142, 222
RGB Percent	27%, 56%, 87%
CMY	0.7292, 0.4432, 0.1294
CMYK	0.69, 0.36, 0.00, 0.13
HSL	211°, 70%, 57%
HSV	211°, 69%, 87%
XYZ	25.3148, 25.8851, 72.7709
YIQ	129.2930, -69.1880, 9.4040

Conversions

Conversions Part 2

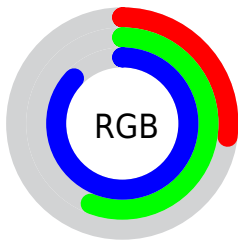
Format	Color
R_{YB}	69, 118, 222
Decimal	4558558
CIE _{Lab}	57.93, 3.04, -47.40
CIE _{LCh}	58, 47.498, 273.674
Yxy	25.8851, 0.2042, 0.2088
Android (android.graphics.Color)	4282748638 (0xFF458EDE)
YUV	129.2930, 45.7046, -52.8770
Hunter-Lab	50.8774, -0.2200, -49.1894

Details

The Yxy color **25.8851, 0.2042, 0.2088** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **37.4763, 0.4657, 0.4160**, and the grayscale version is **21.9213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2368, 0.2356, 0.2556**, and **10.4075, 0.1826, 0.1775** is the 20% darker color. If you saturate the color by 10%, you get **21.9421, 0.1922, 0.1884**, and if you desaturate by 10%, it is **30.4935, 0.2182, 0.2293**.

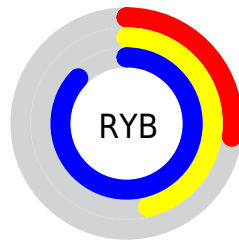
Distribution



Red (27%)

Green (56%)

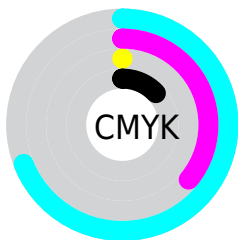
Blue (87%)



Red (27%)

Yellow (46%)

Blue (87%)

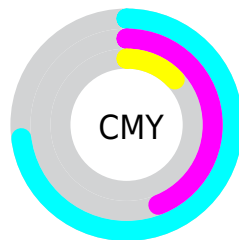


Cyan (69%)

Magenta (36%)

Yellow (0%)

Black (13%)



Cyan (73%)


Magenta (44%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8851, 0.2042, 0.2088 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 25.8851, 0.2042, 0.2088 by changing the saturation by 10% instead.


 25.8851, 0.2042,
0.2088


 25.8851, 0.2042,
0.2088


282.2176, 0.2605,
0.2705


 16.7377, 0.1901,
0.1936


 53.0895, 0.2248,
0.2313


 10.0477, 0.1723,
0.1744

 71.9153, 0.2325,
0.2397

 5.4306, 0.1493,
0.1498

 94.7361, 0.2390,
0.2469

 2.5020, 0.1194,
0.1181

 121.9362, 0.2446,
0.2530

 0.8777, 0.0808,
0.0779

153.9000, 0.2494,
0.2583

 0.0000, 0.0000,
0.0000

191.0119, 0.2536,

0.2629

233.6563, 0.2572,
0.2669

■ 25.8851, 0.2042,
0.2088

■ 25.8851, 0.2042,
0.2088

■ 21.9421, 0.1922,
0.1884

■ 30.4935, 0.2182,
0.2293

■ 18.6150, 0.1825,
0.1686

■ 35.8056, 0.2336,
0.2493

■ 15.8377, 0.1752,
0.1501

■ 41.8590, 0.2499,
0.2684

■ 15.5553, 0.1745,
0.1481

■ 48.6872, 0.2665,
0.2862

■ 56.3217, 0.2830,
0.3025

■ 64.7916, 0.2990,
0.3172

■ 74.1246, 0.3144,
0.3304

■ 84.3470, 0.3289,
0.3421

■ 92.7594, 0.3332,
0.3531

Harmonies

Analogous

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



25.8851, 0.1776, 0.2294



25.8851, 0.2042, 0.2088



25.8851, 0.2591, 0.2148

Triad

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



25.8851, 0.2042, 0.2088



25.8851, 0.4665, 0.3456



25.8851, 0.2746, 0.4442

Complementary

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



25.8851, 0.2042, 0.2088



37.4763, 0.4657, 0.4160

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.



25.8851, 0.3509, 0.4782



25.8851, 0.2042, 0.2088



25.8851, 0.4656, 0.4043

Square

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



25.8851, 0.2042, 0.2088



25.8851, 0.4172, 0.2896



25.8851, 0.4210, 0.4559



25.8851, 0.2128, 0.3630

Rectangle

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



25.8851, 0.2042, 0.2088



25.8851, 0.3094, 0.2317



25.8851, 0.4210, 0.4559



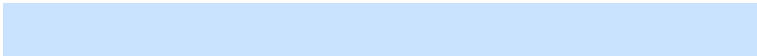
25.8851, 0.2994, 0.4624

Sweetspot

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



25.8859, 0.2042, 0.2088



74.6311, 0.2792, 0.2989



55.6521, 0.2681, 0.4396



15.3428, 0.2747, 0.2944



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.



25.8859, 0.2042, 0.2088



27.7734, 0.1872, 0.1789



10.9002, 0.1812, 0.1100



14.3162, 0.2981, 0.3164



9.4589, 0.1752, 0.1507



0.8341, 0.1832, 0.1795

Inverse Universe

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



21.7463, 0.4283, 0.2508



25.0356, 0.4668, 0.2477



67.8051, 0.4036, 0.4840



13.8089, 0.3218, 0.3179



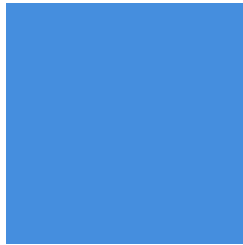
9.8629, 0.5049, 0.2555



0.7017, 0.4691, 0.2358

Previews

White Background



This preview shows how the Yxy color 25.8851, 0.2042, 0.2088 looks on a white background.

Color Contrast Check

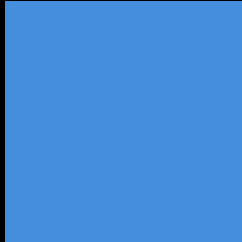
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8851, 0.2042, 0.2088 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 × Fail

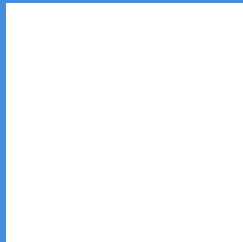
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8851, 0.2042, 0.2088

Background



This preview shows how black text looks on a background with the Yxy color 25.8851, 0.2042, 0.2088.

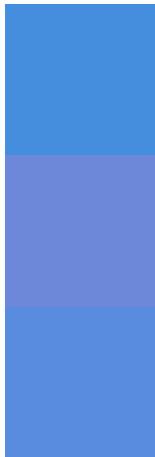


This preview shows how white text looks on a background with the Yxy color 25.8851, 0.2042, 0.2088.

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

25.8851, 0.2042, 0.2088

Protanopia

25.8174, 0.2258, 0.2119

Deuteranopia

25.9168, 0.2117, 0.2057



Tritanopia

25.7298, 0.2209, 0.3047

Trichromacy



Original Color

25.8851, 0.2042, 0.2088

Protanomaly

25.6186, 0.2163, 0.2102

Deuteranomaly

25.8777, 0.2086, 0.2062

Tritanomaly

25.4912, 0.2128, 0.2648

Monochromacy



Original Color

25.8851, 0.2042, 0.2088

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.8203, 0.2587, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8851, 0.2042, 0.2088 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(69, 142, 222)` looks like.

```
.text, #text, p{  
    color:rgb(69, 142, 222)  
}
```

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(69, 142, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 142, 222) }
```

Border

The CSS property to change the border of an element to Yxy 25.8851, 0.2042, 0.2088 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(69, 142, 222) }
```

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

```
.border{ border-color:rgb(69, 142, 222) }
```

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

Here you see how a box with a 4 pixel rgb(69, 142, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 142, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 142, 222);  
box-shadow:4px 4px 4px 4px rgb(69, 142,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8851, 0.2042, 0.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 142, 222) }
```

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

```
.background{ background-color: rgb(69, 142,  
222) }
```

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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