

Converting Colors

$Y_{xy}(25.7942, 0.1947, 0.1895)$

Have a look what the booklet for
Yxy(25.7942, 0.1947, 0.1895)
contains.

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Color

Yxy(25.8004, 0.1947, 0.1897)

Conversions

Conversions Part 1

Format	Color
Hex	3B8CED
RGB	59, 140, 237
RGB Percent	23%, 55%, 93%
CMY	0.7677, 0.4511, 0.0705
CMYK	0.75, 0.41, 0.00, 0.07
HSL	213°, 83%, 58%
HSV	213°, 75%, 93%
XYZ	26.4804, 25.8004, 83.7255
YIQ	126.8390, -79.4130, 12.9950

Conversions

Conversions Part 2

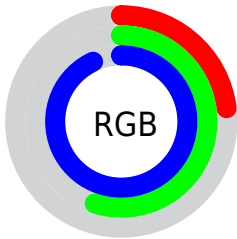
Format	Color
R_{YB}	59, 115, 237
Decimal	3902701
CIE Lab	57.85, 8.26, -55.91
CIE LCh	58, 56.513, 278.400
Yxy	25.8004, 0.1947, 0.1897
Android (android.graphics.Color)	4282092781 (0xFF3B8CED)
YUV	126.8390, 54.3094, -59.4948
Hunter-Lab	50.7941, 4.1676, -62.1737

Details

The Yxy color **25.8004, 0.1947, 0.1897** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **42.1997, 0.4782, 0.4234**, and the grayscale version is **21.0164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0271, 0.2332, 0.2526**, and **10.7775, 0.1778, 0.1599** is the 20% darker color. If you saturate the color by 10%, you get **21.6703, 0.1838, 0.1688**, and if you desaturate by 10%, it is **30.7055, 0.2079, 0.2112**.

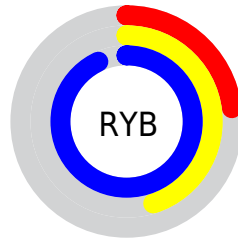
Distribution



Red (23%)

Green (55%)

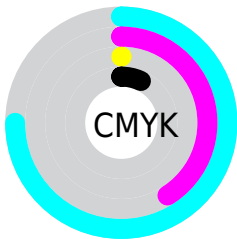
Blue (93%)



Red (23%)

Yellow (45%)

Blue (93%)

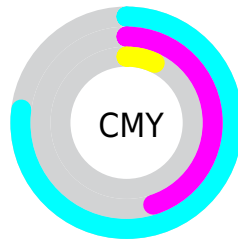


Cyan (75%)

Magenta (41%)

Yellow (0%)

Black (7%)



Cyan (77%)

Magenta (45%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8004, 0.1947, 0.1897 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 25.8004, 0.1947, 0.1897 by changing the saturation by 10% instead.

■ 25.8004, 0.1947,
0.1897

■ 25.8004, 0.1947,
0.1897

281.8009, 0.2552,
0.2593

■ 16.6744, 0.1800,
0.1733

■ 52.9528, 0.2166,
0.2145

■ 10.0026, 0.1616,
0.1531

■ 71.7479, 0.2249,
0.2240

■ 5.4007, 0.1383,
0.1280

■ 94.5349, 0.2319,
0.2321

■ 2.4842, 0.1089,
0.0971

■ 121.6980, 0.2379,
0.2391

■ 0.8687, 0.0726,
0.0606

■ 153.6218, 0.2431,
0.2451

■ 0.0000, 0.0000,
0.0000

190.6907, 0.2477,

0.2505

233.2889, 0.2517,
0.2552

■ 25.8004, 0.1947,
0.1897

■ 25.8004, 0.1947,
0.1897

■ 21.6703, 0.1838,
0.1688

■ 30.7055, 0.2079,
0.2112

■ 18.2492, 0.1756,
0.1493

■ 36.4373, 0.2229,
0.2325

■ 16.7657, 0.1723,
0.1401

■ 43.0443, 0.2390,
0.2532

■ 50.5698, 0.2558,
0.2728

■ 59.0537, 0.2726,
0.2909

■ 68.5335, 0.2891,
0.3074

■ 79.0440, 0.3050,
0.3222

■ 90.6185, 0.3201,
0.3354

■ 98.8960, 0.3232,
0.3463

Harmonies

Analogous

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



25.8004, 0.1601, 0.2064



25.8004, 0.1947, 0.1897



25.8004, 0.2619, 0.2013

Triad

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



25.8004, 0.1947, 0.1897



25.8004, 0.4984, 0.3548



25.8004, 0.2525, 0.4565

Complementary

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



25.8004, 0.1947, 0.1897



42.1997, 0.4782, 0.4234

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.



25.8004, 0.3396, 0.5072



25.8004, 0.1947, 0.1897



25.8004, 0.4850, 0.4220

Square

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



25.8004, 0.1947, 0.1897



25.8004, 0.4496, 0.2911



25.8004, 0.4242, 0.4830



25.8004, 0.1870, 0.3512

Rectangle

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



25.8004, 0.1947, 0.1897



25.8004, 0.3230, 0.2228



25.8004, 0.4242, 0.4830



25.8004, 0.2803, 0.4823

Sweetspot

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



25.8012, 0.1947, 0.1897



71.7700, 0.2758, 0.2942



63.8560, 0.2659, 0.4474



14.5382, 0.2697, 0.2879



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.



25.8012, 0.1947, 0.1897



23.3248, 0.1791, 0.1582



10.3968, 0.1723, 0.0940



15.6757, 0.2980, 0.3158



9.4061, 0.1731, 0.1431



0.9286, 0.1804, 0.1695

Inverse Universe

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



23.0535, 0.4514, 0.2523



23.5811, 0.4938, 0.2553



77.9081, 0.4060, 0.4937



15.1678, 0.3222, 0.3183



10.4424, 0.5150, 0.2611



0.8392, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 25.8004, 0.1947, 0.1897 looks on a white background.

Color Contrast Check

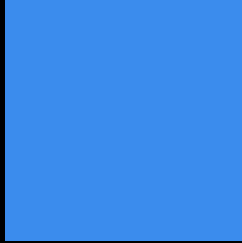
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8004, 0.1947, 0.1897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

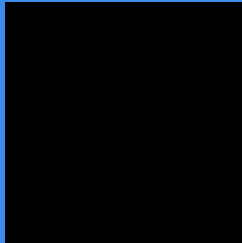
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

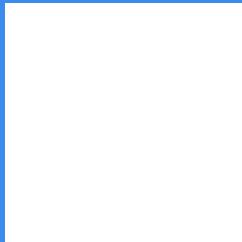
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8004, 0.1947, 0.1897

Background



This preview shows how black text looks on a background with the Yxy color 25.8004, 0.1947, 0.1897.



This preview shows how white text looks on a background with the Yxy color 25.8004, 0.1947, 0.1897.

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

25.8004, 0.1947, 0.1897

Protanopia

25.6955, 0.2107, 0.1922

Deuteranopia

25.9274, 0.1959, 0.1901



Tritanopia

25.4991, 0.2184, 0.3063

Trichromacy



Original Color

25.8004, 0.1947, 0.1897

Protanomaly

25.6708, 0.2036, 0.1910

Deuteranomaly

25.8947, 0.1956, 0.1900

Tritanomaly

25.1120, 0.2063, 0.2549

Monochromacy



Original Color

25.8004, 0.1947, 0.1897

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.1173, 0.2508, 0.2679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8004, 0.1947, 0.1897 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(59, 140, 237)` looks like.

```
.text, #text, p{  
    color:rgb(59, 140, 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(59, 140, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 140, 237) }
```

Border

The CSS property to change the border of an element to Yxy 25.8004, 0.1947, 0.1897 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(59, 140, 237) }
```

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

```
.border{ border-color:rgb(59, 140, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 140, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 140, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 140, 237);  
box-shadow:4px 4px 4px 4px rgb(59, 140,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8004, 0.1947, 0.1897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 140, 237) }
```

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

```
.background{ background-color: rgb(59, 140,  
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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