

Converting Colors

$Yxy(30.9744, 0.2046, 0.2161)$

Have a look what the booklet for
Yxy(30.9744, 0.2046, 0.2161)
contains.

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Color

Yxy(31.0403, 0.2046, 0.2164)

Conversions

Conversions Part 1

Format	Color
Hex	459CEB
RGB	69, 156, 235
RGB Percent	27%, 61%, 92%
CMY	0.7288, 0.3883, 0.0784
CMYK	0.71, 0.34, 0.00, 0.08
HSL	209°, 81%, 60%
HSV	209°, 71%, 92%
XYZ	29.3477, 31.0403, 83.0514
YIQ	138.9930, -77.2110, 6.1250

Conversions

Conversions Part 2

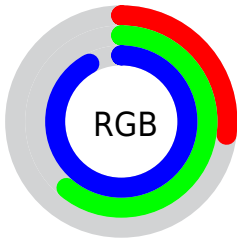
Format	Color
R _Y B	69, 126, 235
Decimal	4562155
CIE Lab	62.54, -0.59, -47.32
CIE LCh	63, 47.324, 269.280
Yxy	31.0403, 0.2046, 0.2164
Android (android.graphics.Color)	4282752235 (0xFF459CEB)
YUV	138.9930, 47.3315, -61.3839
Hunter-Lab	55.7138, -3.4728, -49.3827

Details

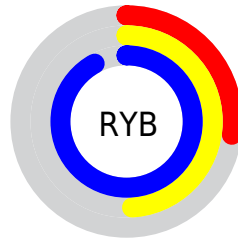
The Yxy color **31.0403, 0.2046, 0.2164** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **39.3376, 0.4782, 0.4092**, and the grayscale version is **25.6691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4641, 0.2401, 0.2748**, and **13.3578, 0.1855, 0.1879** is the 20% darker color. If you saturate the color by 10%, you get **26.7568, 0.1936, 0.1977**, and if you desaturate by 10%, it is **36.0128, 0.2176, 0.2352**.

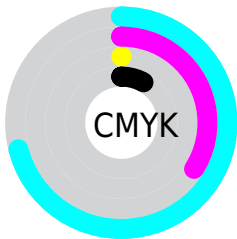
Distribution



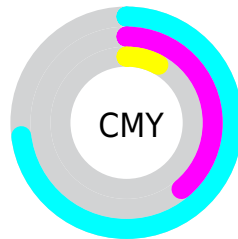
- Red (27%)
- Green (61%)
- Blue (92%)



- Red (27%)
- Yellow (49%)
- Blue (92%)



- Cyan (71%)
- Magenta (34%)
- Yellow (0%)
- Black (8%)



- Cyan (73%)
- Magenta (39%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0403, 0.2046, 0.2164 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 31.0403, 0.2046, 0.2164 by changing the saturation by 10% instead.

■ 31.0403, 0.2046,
0.2164

■ 31.0403, 0.2046,
0.2164

■ 306.7239, 0.2590,
0.2732

■ 20.6295, 0.1914,
0.2026

■ 61.3035, 0.2242,
0.2369

■ 12.8535, 0.1750,
0.1854

■ 81.9248, 0.2316,
0.2446

■ 7.3277, 0.1540,
0.1634

■ 106.7183, 0.2379,
0.2512

■ 3.6679, 0.1270,
0.1350

■ 136.0685, 0.2434,
0.2569

■ 1.4896, 0.0922,
0.0985

■ 170.3598, 0.2481,
0.2618

■ 0.2814, 0.0346,
0.0384

■ 209.9765, 0.2522,

■ 0.0000, 0.0000,

0.2661

0.0000

255.3031, 0.2558,
0.2698

■ 31.0403, 0.2046,
0.2164

■ 31.0403, 0.2046,
0.2164

■ 26.7568, 0.1936,
0.1977

■ 36.0128, 0.2176,
0.2352

■ 23.1070, 0.1849,
0.1795

■ 41.7160, 0.2322,
0.2535

■ 20.1707, 0.1787,
0.1632

■ 48.1908, 0.2478,
0.2710

■ 55.4737, 0.2640,
0.2873

■ 63.5982, 0.2803,
0.3024

■ 72.5958, 0.2963,
0.3161

■ 82.4961, 0.3119,
0.3283

■ 92.9120, 0.3253,
0.3393

■ 98.7789, 0.3244,
0.3483

Harmonies

Analogous

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



31.0403, 0.1831, 0.2406



31.0403, 0.2046, 0.2164



31.0403, 0.2532, 0.2184

Triad

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



31.0403, 0.2046, 0.2164



31.0403, 0.4530, 0.3375



31.0403, 0.2876, 0.4443

Complementary

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



31.0403, 0.2046, 0.2164



39.3376, 0.4782, 0.4092

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.



31.0403, 0.3601, 0.4685



31.0403, 0.2046, 0.2164



31.0403, 0.4599, 0.3934

Square

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



31.0403, 0.2046, 0.2164



31.0403, 0.4009, 0.2849



31.0403, 0.4237, 0.4434



31.0403, 0.2258, 0.3732

Rectangle

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



31.0403, 0.2046, 0.2164



31.0403, 0.2989, 0.2325



31.0403, 0.4237, 0.4434



31.0403, 0.3115, 0.4587

Sweetspot

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



31.0413, 0.2046, 0.2164



76.0057, 0.2794, 0.3016



62.7885, 0.2715, 0.4557



15.6689, 0.2749, 0.2976



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.



31.0413, 0.2046, 0.2164



30.0003, 0.1891, 0.1889



12.2609, 0.1780, 0.1093



15.8538, 0.2981, 0.3175



11.4822, 0.1794, 0.1659



1.0942, 0.1862, 0.1901

Inverse Universe

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



24.3408, 0.4213, 0.2418



24.9199, 0.4558, 0.2387



74.4037, 0.4108, 0.4813



15.1858, 0.3211, 0.3167



10.6519, 0.4857, 0.2449



0.8559, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 31.0403, 0.2046, 0.2164 looks on a white background.

Color Contrast Check

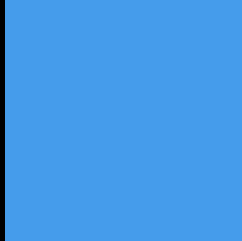
Large Text (above 18pt) WCAG AA × Fail

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 31.0403, 0.2046, 0.2164 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

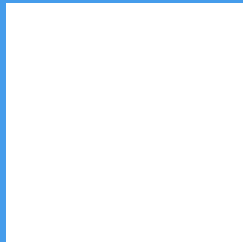
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.0403, 0.2046, 0.2164

Background



This preview shows how black text looks on a background with the Yxy color 31.0403, 0.2046, 0.2164.



This preview shows how white text looks on a background with the Yxy color 31.0403, 0.2046, 0.2164.

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

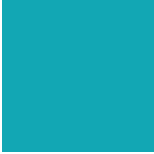
31.0403, 0.2046, 0.2164

Protanopia

30.9188, 0.2310, 0.2190

Deuteranopia

30.8119, 0.2172, 0.2108



Tritanopia

31.0613, 0.2201, 0.3064

Trichromacy



Original Color

31.0403, 0.2046, 0.2164

Protanomaly

30.7863, 0.2192, 0.2171

Deuteranomaly

30.7367, 0.2115, 0.2118

Tritanomaly

30.7578, 0.2124, 0.2690

Monochromacy



Original Color

31.0403, 0.2046, 0.2164

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.8842, 0.2586, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0403, 0.2046, 0.2164 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, 156, 235)` looks like.

```
.text, #text, p{  
    color:rgb(69, 156, 235)  
}
```

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, 156, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 156, 235) }
```

Border

The CSS property to change the border of an element to Yxy 31.0403, 0.2046, 0.2164 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, 156, 235) }
```

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

```
.border{ border-color:rgb(69, 156, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 156, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 156, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 156, 235);  
box-shadow:4px 4px 4px 4px rgb(69, 156,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0403, 0.2046, 0.2164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 156, 235) }
```

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

```
.background{ background-color: rgb(69, 156,  
235) }
```

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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