

Converting Colors

$Yxy(31.1547, 0.2048, 0.2152)$

Have a look what the booklet for
Yxy(31.1547, 0.2048, 0.2152)
contains.

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Color

Yxy(31.1727, 0.2049, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	479CEC
RGB	71, 156, 236
RGB Percent	28%, 61%, 93%
CMY	0.7214, 0.3882, 0.0746
CMYK	0.70, 0.34, 0.00, 0.07
HSL	209°, 81%, 60%
HSV	209°, 70%, 93%
XYZ	29.6256, 31.1727, 83.7875
YIQ	139.7050, -76.3400, 6.8600

Conversions

Conversions Part 2

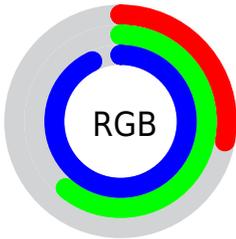
Format	Color
RYB	71, 127, 236
Decimal	4693228
CIELab	62.65, -0.01, -47.67
CIELCh	63, 47.666, 269.986
Yxy	31.1727, 0.2049, 0.2156
Android (android.graphics.Color)	4282883308 (0xFF479CEC)
YUV	139.7050, 47.4734, -60.2543
Hunter-Lab	55.8325, -2.9919, -49.8933

Details

The Yxy color **31.1727, 0.2049, 0.2156** 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 **40.4207, 0.4749, 0.4103**, and the grayscale version is **25.9452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5474, 0.2406, 0.2749**, and **13.3984, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **26.7865, 0.1936, 0.1965**, and if you desaturate by 10%, it is **36.2689, 0.2182, 0.2347**.

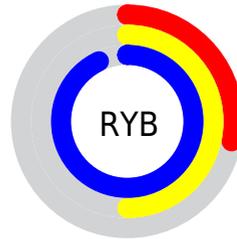
Distribution



Red (28%)

Green (61%)

Blue (93%)



Red (28%)

Yellow (50%)

Blue (93%)

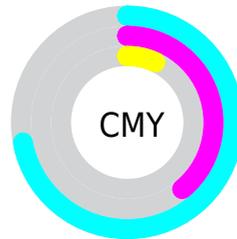


Cyan (70%)

Magenta (34%)

Yellow (0%)

Black (7%)



Cyan (72%)

Magenta (39%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1727, 0.2049, 0.2156 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 31.1727, 0.2049, 0.2156 by changing the saturation by 10% instead.

 31.1727, 0.2049,
0.2156

 31.1727, 0.2049,
0.2156

307.3332, 0.2592,
0.2727

 20.7304, 0.1918,
0.2018

 61.5119, 0.2244,
0.2361

 12.9271, 0.1754,
0.1846

 82.1775, 0.2318,
0.2439

 7.3783, 0.1545,
0.1626

 107.0197, 0.2381,
0.2505

 3.6998, 0.1276,
0.1343

 136.4229, 0.2435,
0.2562

 1.5071, 0.0931,
0.0979

170.7715, 0.2482,
0.2612

 0.2937, 0.0372,
0.0392

210.4497, 0.2523,

 0.0000, 0.0000,

0.2655

0.0000

255.8422, 0.2559,
0.2693

■ 31.1727, 0.2049,
0.2156

■ 31.1727, 0.2049,
0.2156

■ 26.7865, 0.1936,
0.1965

■ 36.2689, 0.2182,
0.2347

■ 23.0547, 0.1847,
0.1780

■ 42.1174, 0.2330,
0.2533

■ 19.8963, 0.1779,
0.1605

■ 48.7599, 0.2487,
0.2710

■ 19.8639, 0.1779,
0.1603

■ 56.2333, 0.2650,
0.2876

■ 64.5718, 0.2813,
0.3029

■ 73.8076, 0.2974,
0.3167

■ 83.9707, 0.3129,
0.3291

■ 94.1635, 0.3245,
0.3403

■ 98.8343, 0.3238,
0.3474

Harmonies

Analogous

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



31.1727, 0.1827, 0.2392



31.1727, 0.2049, 0.2156



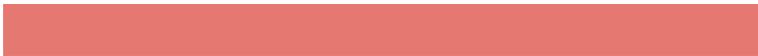
31.1727, 0.2543, 0.2182

Triad

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



31.1727, 0.2049, 0.2156



31.1727, 0.4546, 0.3388



31.1727, 0.2857, 0.4438

Complementary

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



31.1727, 0.2049, 0.2156



40.4207, 0.4749, 0.4103

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.



31.1727, 0.3586, 0.4694



31.1727, 0.2049, 0.2156



31.1727, 0.4603, 0.3949

Square

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



31.1727, 0.2049, 0.2156



31.1727, 0.4030, 0.2858



31.1727, 0.4229, 0.4449



31.1727, 0.2241, 0.3715

Rectangle

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



31.1727, 0.2049, 0.2156



31.1727, 0.3005, 0.2327



31.1727, 0.4229, 0.4449



31.1727, 0.3097, 0.4587

Sweetspot

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



31.1737, 0.2049, 0.2156



75.7580, 0.2794, 0.3011



63.5406, 0.2704, 0.4502



15.6101, 0.2749, 0.2970



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.



31.1737, 0.2049, 0.2156



29.8656, 0.1893, 0.1882



12.2663, 0.1784, 0.1085



15.8323, 0.2981, 0.3173



11.2133, 0.1786, 0.1631



1.0731, 0.1855, 0.1876

Inverse Universe

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



24.7405, 0.4218, 0.2436



25.0710, 0.4563, 0.2402



76.6852, 0.4084, 0.4824



15.1836, 0.3212, 0.3169



10.6248, 0.4892, 0.2469



0.8537, 0.4595, 0.2305

Previews

White Background



This preview shows how the Yxy color 31.1727, 0.2049, 0.2156 looks on a white background.

Color Contrast Check

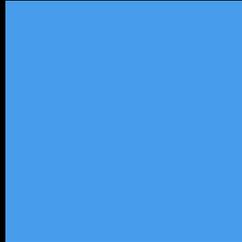
Large Text (above 18pt) WCAG AA × Fail

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 31.1727, 0.2049, 0.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

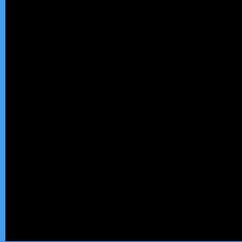
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

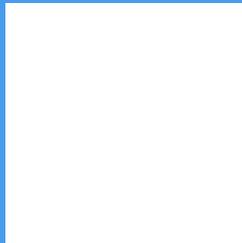
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.1727, 0.2049, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 31.1727, 0.2049, 0.2156.



This preview shows how white text looks on a background with the Yxy color 31.1727, 0.2049, 0.2156.

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

31.1727, 0.2049, 0.2156

Protanopia

30.9745, 0.2305, 0.2180

Deuteranopia

31.1312, 0.2166, 0.2110



Tritanopia

31.1678, 0.2204, 0.3048

Trichromacy



Original Color

31.1727, 0.2049, 0.2156

Protanomaly

30.8430, 0.2188, 0.2161

Deuteranomaly

31.1210, 0.2114, 0.2123

Tritanomaly

30.8828, 0.2128, 0.2677

Monochromacy



Original Color

31.1727, 0.2049, 0.2156

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.2978, 0.2589, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1727, 0.2049, 0.2156 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(71, 156, 236)` looks like.

```
.text, #text, p{  
    color:rgb(71, 156, 236)  
}
```

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(71, 156, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 156, 236) }
```

Border

The CSS property to change the border of an element to Yxy 31.1727, 0.2049, 0.2156 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(71, 156, 236) }
```

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

```
.border{ border-color:rgb(71, 156, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 156, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 156, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 156, 236);  
box-shadow:4px 4px 4px 4px rgb(71, 156,  
236) }
```

Background

The CSS property to change the background color of an element to Yxy 31.1727, 0.2049, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 156, 236) }
```

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

```
.background{ background-color: rgb(71, 156,  
236) }
```

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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