

Converting Colors

$Yxy(31.4941, 0.2191, 0.2402)$

Have a look what the booklet for
Yxy(31.4941, 0.2191, 0.2402)
contains.

Yxy(31.4941, 0.2191, 0.2402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.4941, 0.2191, 0.2402)

Conversions

Conversions Part 1

Format	Color
Hex	569EDA
RGB	86, 158, 218
RGB Percent	34%, 62%, 85%
CMY	0.6623, 0.3804, 0.1451
CMYK	0.60, 0.28, 0.00, 0.15
HSL	207°, 64%, 60%
HSV	207°, 60%, 85%
XYZ	28.7275, 31.4941, 70.8945
YIQ	143.3120, -62.1720, 3.3960

Conversions

Conversions Part 2

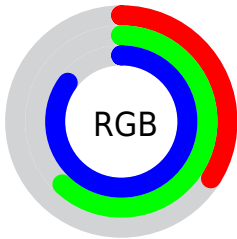
Format	Color
R _Y B	86, 133, 218
Decimal	5676762
CIE Lab	62.92, -4.63, -37.27
CIE LCh	63, 37.560, 262.913
Yxy	31.4941, 0.2191, 0.2402
Android (android.graphics.Color)	4283866842 (0xFF569EDA)
YUV	143.3120, 36.8212, -50.2626
Hunter-Lab	56.1196, -6.8354, -35.6159

Details

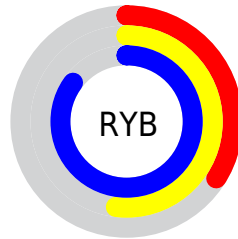
The Yxy color **31.4941, 0.2191, 0.2402** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **36.1804, 0.4507, 0.3987**, and the grayscale version is **27.4799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4180, 0.2459, 0.2780**, and **13.1597, 0.1927, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **27.3630, 0.2064, 0.2224**, and if you desaturate by 10%, it is **36.2162, 0.2334, 0.2575**.

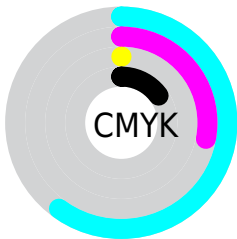
Distribution



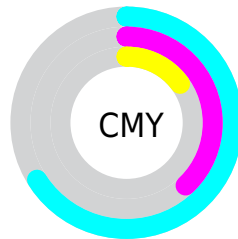
- Red (34%)
- Green (62%)
- Blue (85%)



- Red (34%)
- Yellow (52%)
- Blue (85%)



- Cyan (60%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (66%)
- Magenta (38%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4941, 0.2191, 0.2402 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 31.4941, 0.2191, 0.2402 by changing the saturation by 10% instead.

■ 31.4941, 0.2191,
0.2402

■ 31.4941, 0.2191,
0.2402

■ 308.8082, 0.2668,
0.2861

■ 20.9754, 0.2072,
0.2286

■ 62.0172, 0.2365,
0.2571

■ 13.1060, 0.1922,
0.2137

■ 82.7903, 0.2430,
0.2634

■ 7.5016, 0.1725,
0.1941

■ 107.7503, 0.2485,
0.2687

■ 3.7777, 0.1463,
0.1675

■ 137.2817, 0.2532,
0.2732

■ 1.5500, 0.1108,
0.1306

■ 171.7688, 0.2573,
0.2771

■ 0.3235, 0.0376,
0.0626

■ 211.5959, 0.2609,

■ 0.0000, 0.0000,

0.2805

0.0000

257.1476, 0.2640,
0.2835

■ 31.4941, 0.2191,
0.2402

■ 31.4941, 0.2191,
0.2402

■ 27.3630, 0.2064,
0.2224

■ 36.2162, 0.2334,
0.2575

■ 23.7836, 0.1956,
0.2046

■ 41.5583, 0.2487,
0.2741

■ 20.7150, 0.1871,
0.1872

■ 47.5507, 0.2646,
0.2896

■ 18.2061, 0.1809,
0.1713

■ 54.2206, 0.2806,
0.3038

■ 61.5931, 0.2965,
0.3168

69.6920, 0.3120,
0.3285

78.5399, 0.3268,
0.3388

87.0951, 0.3370,
0.3483

93.0113, 0.3356,
0.3578

Harmonies

Analogous

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



31.4941, 0.2061, 0.2666



31.4941, 0.2191, 0.2402



31.4941, 0.2551, 0.2366

Triad

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



31.4941, 0.2191, 0.2402



31.4941, 0.4174, 0.3284



31.4941, 0.3065, 0.4253

Complementary

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



31.4941, 0.2191, 0.2402



36.1804, 0.4507, 0.3987

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.



31.4941, 0.3646, 0.4377



31.4941, 0.2191, 0.2402



31.4941, 0.4320, 0.3746

Square

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



31.4941, 0.2191, 0.2402



31.4941, 0.3707, 0.2855



31.4941, 0.4113, 0.4155



31.4941, 0.2530, 0.3770

Rectangle

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



31.4941, 0.2191, 0.2402



31.4941, 0.2900, 0.2455



31.4941, 0.4113, 0.4155



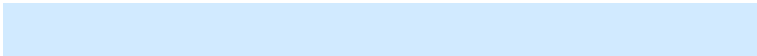
31.4941, 0.3262, 0.4339

Sweetspot

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



31.4952, 0.2191, 0.2402



79.6990, 0.2844, 0.3070



54.1864, 0.2750, 0.4374



16.4245, 0.2797, 0.3030



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.



31.4952, 0.2191, 0.2402



37.3364, 0.2028, 0.2168



14.8257, 0.1974, 0.1435



13.7871, 0.2982, 0.3181



11.1251, 0.1816, 0.1738



0.8922, 0.1892, 0.2012

Inverse Universe

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



24.0492, 0.3944, 0.2468



28.4109, 0.4219, 0.2367



62.3705, 0.4018, 0.4641



13.1696, 0.3207, 0.3163



9.7468, 0.4761, 0.2396



0.6488, 0.4439, 0.2219

Previews

White Background



This preview shows how the Yxy color 31.4941, 0.2191, 0.2402 looks on a white background.

Color Contrast Check

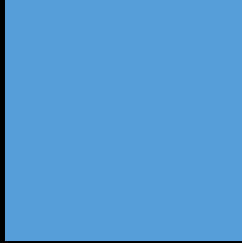
Large Text (above 18pt) WCAG AA × Fail

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 31.4941, 0.2191, 0.2402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

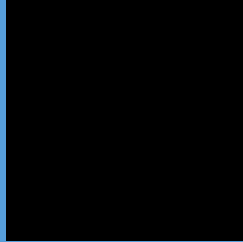
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

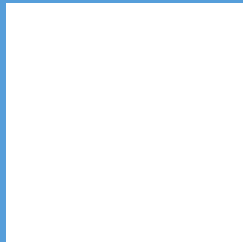
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.4941, 0.2191, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 31.4941, 0.2191, 0.2402.

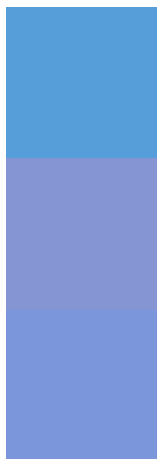


This preview shows how white text looks on a background with the Yxy color 31.4941, 0.2191, 0.2402.

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

31.4941, 0.2191, 0.2402

Protanopia

31.1846, 0.2488, 0.2412

Deuteranopia

31.2651, 0.2373, 0.2308



Tritanopia

31.3939, 0.2332, 0.3053

Trichromacy



Original Color

31.4941, 0.2191, 0.2402

Protanomaly

31.0245, 0.2359, 0.2394

Deuteranomaly

31.2119, 0.2297, 0.2342

Tritanomaly

31.1868, 0.2277, 0.2790

Monochromacy



Original Color

31.4941, 0.2191, 0.2402

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2197, 0.2689, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4941, 0.2191, 0.2402 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(86, 158, 218)` looks like.

```
.text, #text, p{  
    color:rgb(86, 158, 218)  
}
```

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(86, 158, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 158, 218) }
```

Border

The CSS property to change the border of an element to Yxy 31.4941, 0.2191, 0.2402 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(86, 158, 218) }
```

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

```
.border{ border-color:rgb(86, 158, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 158, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 158, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 158, 218);  
box-shadow:4px 4px 4px 4px rgb(86, 158,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4941, 0.2191, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 158, 218) }
```

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

```
.background{ background-color: rgb(86, 158,  
218) }
```

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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