

Converting Colors

$Y_{xy}(31.7549, 0.2299, 0.2403)$

Have a look what the booklet for
Yxy(31.7549, 0.2299, 0.2403)
contains.

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Color

Yxy(31.9125, 0.2299, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	6B9CD9
RGB	107, 156, 217
RGB Percent	42%, 61%, 85%
CMY	0.5801, 0.3883, 0.1491
CMYK	0.51, 0.28, 0.00, 0.15
HSL	213°, 59%, 64%
HSV	213°, 51%, 85%
XYZ	30.4806, 31.9125, 70.1889
YIQ	148.3030, -48.7850, 8.5830

Conversions

Conversions Part 2

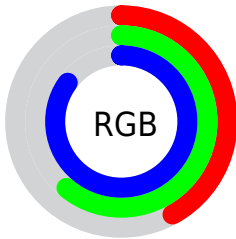
Format	Color
RYB	107, 141, 217
Decimal	7052505
CIELab	63.27, 0.56, -36.10
CIElCh	63, 36.100, 270.885
Yxy	31.9125, 0.2299, 0.2407
Android (android.graphics.Color)	4285242585 (0xFF6B9CD9)
YUV	148.3030, 33.8676, -36.2227
Hunter-Lab	56.4911, -2.5473, -34.1226

Details

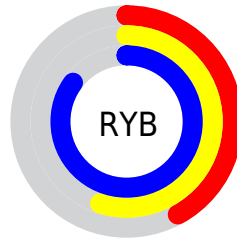
The Yxy color **31.9125, 0.2299, 0.2407** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.8418, 0.4149, 0.4017**, and the grayscale version is **29.6249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2057, 0.2552, 0.2769**, and **13.3161, 0.2051, 0.2143** is the 20% darker color. If you saturate the color by 10%, you get **26.8897, 0.2143, 0.2193**, and if you desaturate by 10%, it is **37.6757, 0.2464, 0.2612**.

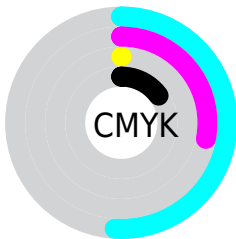
Distribution



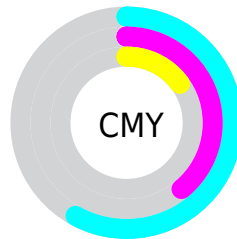
- Red (42%)
- Green (61%)
- Blue (85%)



- Red (42%)
- Yellow (55%)
- Blue (85%)



- Cyan (51%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (58%)
- Magenta (39%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9125, 0.2299, 0.2407 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 31.9125, 0.2299, 0.2407 by changing the saturation by 10% instead.

■ 31.9125, 0.2299,
0.2407

■ 31.9125, 0.2299,
0.2407

■ 310.7205, 0.2724,
0.2859

■ 21.2947, 0.2192,
0.2293

■ 62.6739, 0.2455,
0.2572

■ 13.3396, 0.2055,
0.2148

■ 83.5862, 0.2513,
0.2634

■ 7.6628, 0.1875,
0.1958

■ 108.6989, 0.2562,
0.2687

■ 3.8799, 0.1632,
0.1700

■ 138.3962, 0.2604,
0.2731

■ 1.6066, 0.1291,
0.1341

■ 173.0627, 0.2640,
0.2770

■ 0.3621, 0.0681,
0.0689

■ 213.0826, 0.2671,

■ 0.0000, 0.0000,

0.2803

0.0000

258.8404, 0.2699,
0.2833

■ 31.9125, 0.2299,
0.2407

■ 31.9125, 0.2299,
0.2407

■ 26.8897, 0.2143,
0.2193

■ 37.6757, 0.2464,
0.2612

■ 22.5664, 0.2001,
0.1976

■ 44.2101, 0.2633,
0.2803

■ 18.9024, 0.1880,
0.1762

■ 51.5485, 0.2800,
0.2979


■ 15.8497, 0.1785,
0.1558


■ 59.7206, 0.2962,
0.3139


■ 13.4805, 0.1717,
0.1381

■ 68.7544, 0.3117,
0.3281

 78.6766, 0.3263,
0.3408

 88.7535, 0.3373,
0.3521

 96.0909, 0.3355,
0.3636

 97.7890, 0.3352,
0.3661

Harmonies

Analogous

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



31.9125, 0.2112, 0.2603



31.9125, 0.2299, 0.2407



31.9125, 0.2701, 0.2425

Triad

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



31.9125, 0.2299, 0.2407



31.9125, 0.4200, 0.3405



31.9125, 0.2923, 0.4113

Complementary

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



31.9125, 0.2299, 0.2407



43.8418, 0.4149, 0.4017

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.



31.9125, 0.3484, 0.4333



31.9125, 0.2299, 0.2407



31.9125, 0.4248, 0.3846

Square

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



31.9125, 0.2299, 0.2407



31.9125, 0.3823, 0.2976



31.9125, 0.3974, 0.4202



31.9125, 0.2444, 0.3594

Rectangle

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



31.9125, 0.2299, 0.2407



31.9125, 0.3061, 0.2543



31.9125, 0.3974, 0.4202



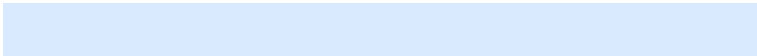
31.9125, 0.3109, 0.4227

Sweetspot

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



31.9137, 0.2299, 0.2407



80.6507, 0.2890, 0.3069



55.5583, 0.2727, 0.3997



16.7293, 0.2856, 0.3035



0.0000, 0.0000, 0.0000



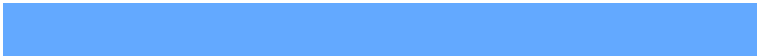
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.9137, 0.2299, 0.2407



38.1562, 0.2129, 0.2174



19.0212, 0.2200, 0.1705



13.5665, 0.2982, 0.3157



8.3653, 0.1724, 0.1408



0.7121, 0.1812, 0.1723

Inverse Universe

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



27.6798, 0.3900, 0.2707



33.1219, 0.4164, 0.2608



64.6031, 0.3820, 0.4530



13.1474, 0.3222, 0.3186



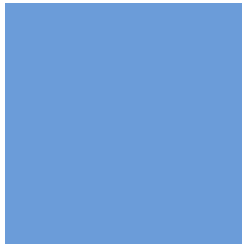
9.4682, 0.5181, 0.2628



0.6306, 0.4779, 0.2406

Previews

White Background



This preview shows how the Yxy color 31.9125, 0.2299, 0.2407 looks on a white background.

Color Contrast Check

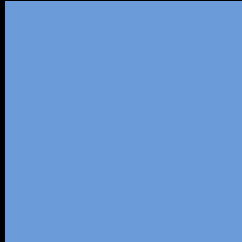
Large Text (above 18pt) WCAG AA × Fail

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 31.9125, 0.2299, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

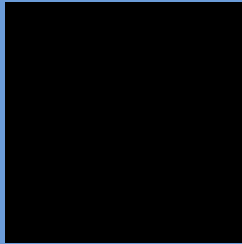
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

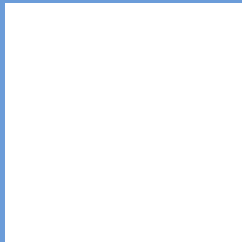
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.9125, 0.2299, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 31.9125, 0.2299, 0.2407.

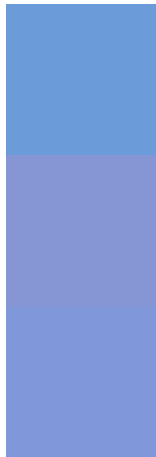


This preview shows how white text looks on a background with the Yxy color 31.9125, 0.2299, 0.2407.

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

31.9125, 0.2299, 0.2407

Protanopia

31.6851, 0.2485, 0.2405

Deuteranopia

31.7844, 0.2414, 0.2352



Tritanopia

32.1049, 0.2475, 0.3076

Trichromacy



Original Color

31.9125, 0.2299, 0.2407

Protanomaly

31.5966, 0.2412, 0.2406

Deuteranomaly

31.8375, 0.2365, 0.2368

Tritanomaly

31.9482, 0.2405, 0.2804

Monochromacy



Original Color

31.9125, 0.2299, 0.2407

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.1369, 0.2765, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9125, 0.2299, 0.2407 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(107, 156, 217)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 217)  
}
```

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(107, 156, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 217) }
```

Border

The CSS property to change the border of an element to Yxy 31.9125, 0.2299, 0.2407 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(107, 156, 217) }
```

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

```
.border{ border-color:rgb(107, 156, 217) }
```

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

Here you see how a box with a 4 pixel rgb(107, 156, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 217);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9125, 0.2299, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 217) }
```

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

```
.background{ background-color: rgb(107,  
156, 217) }
```

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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