

Converting Colors

$Y_{xy}(31.5969, 0.2239, 0.2362)$

Have a look what the booklet for
Yxy(31.5969, 0.2239, 0.2362)
contains.

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Color

Yxy(31.5969, 0.2239, 0.2362)

Conversions

Conversions Part 1

Format	Color
Hex	639CDC
RGB	99, 156, 220
RGB Percent	39%, 61%, 86%
CMY	0.6117, 0.3882, 0.1373
CMYK	0.55, 0.29, 0.00, 0.14
HSL	212°, 63%, 63%
HSV	212°, 55%, 86%
XYZ	29.9515, 31.5969, 72.2234
YIQ	146.2530, -54.5160, 7.8200

Conversions

Conversions Part 2

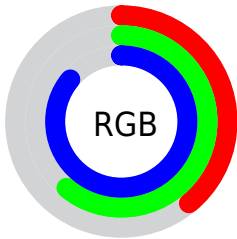
Format	Color
R _Y B	99, 138, 220
Decimal	6528220
CIE Lab	63.01, -0.30, -38.20
CIE LCh	63, 38.203, 269.544
Yxy	31.5969, 0.2239, 0.2362
Android (android.graphics.Color)	4284718300 (0xFF639CDC)
YUV	146.2530, 36.3573, -41.4409
Hunter-Lab	56.2111, -3.2576, -36.8315

Details

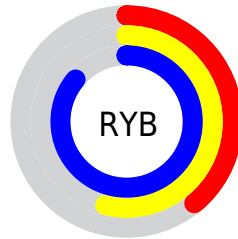
The Yxy color **31.5969, 0.2239, 0.2362** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.3083, 0.4282, 0.4038**, and the grayscale version is **28.7198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4813, 0.2513, 0.2763**, and **13.1598, 0.1980, 0.2084** is the 20% darker color. If you saturate the color by 10%, you get **26.8032, 0.2092, 0.2156**, and if you desaturate by 10%, it is **37.1044, 0.2398, 0.2561**.

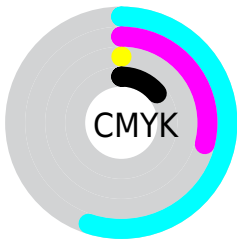
Distribution



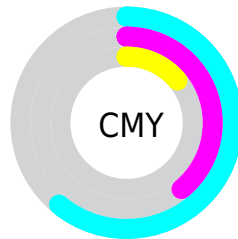
- Red (39%)
- Green (61%)
- Blue (86%)



- Red (39%)
- Yellow (54%)
- Blue (86%)



- Cyan (55%)
- Magenta (29%)
- Yellow (0%)
- Black (14%)



- Cyan (61%)
- Magenta (39%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5969, 0.2239, 0.2362 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 31.5969, 0.2239, 0.2362 by changing the saturation by 10% instead.

■ 31.5969, 0.2239,
0.2362

■ 31.5969, 0.2239,
0.2362

■ 309.2789, 0.2693,
0.2837

■ 21.0538, 0.2126,
0.2243

■ 62.1786, 0.2405,
0.2535

■ 13.1633, 0.1981,
0.2092

■ 82.9860, 0.2467,
0.2600

■ 7.5411, 0.1792,
0.1894

■ 107.9836, 0.2519,
0.2655

■ 3.8027, 0.1539,
0.1628

■ 137.5559, 0.2564,
0.2702

■ 1.5638, 0.1192,
0.1263

■ 172.0871, 0.2603,
0.2743

■ 0.3330, 0.0561,
0.0605

■ 211.9618, 0.2637,

■ 0.0000, 0.0000,

0.2778

0.0000

257.5642, 0.2667,
0.2809

■ 31.5969, 0.2239,
0.2362

■ 31.5969, 0.2239,
0.2362

■ 26.8032, 0.2092,
0.2156

■ 37.1044, 0.2398,
0.2561

■ 22.6813, 0.1963,
0.1949

■ 43.3572, 0.2563,
0.2749

■ 19.1888, 0.1855,
0.1746

■ 50.3889, 0.2729,
0.2923

■ 16.2742, 0.1774,
0.1554

■ 58.2294, 0.2893,
0.3082

■ 14.9946, 0.1740,
0.1463

■ 66.9071, 0.3051,
0.3225

■ 76.4487, 0.3201,
0.3352

■ 86.8796, 0.3343,
0.3464

■ 94.2314, 0.3341,
0.3576

■ 97.9468, 0.3334,
0.3631

Harmonies

Analogous

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



31.5969, 0.2054, 0.2576



31.5969, 0.2239, 0.2362



31.5969, 0.2651, 0.2374

Triad

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



31.5969, 0.2239, 0.2362



31.5969, 0.4255, 0.3386



31.5969, 0.2934, 0.4188

Complementary

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



31.5969, 0.2239, 0.2362



42.3083, 0.4282, 0.4038

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.



31.5969, 0.3527, 0.4402



31.5969, 0.2239, 0.2362



31.5969, 0.4321, 0.3851

Square

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



31.5969, 0.2239, 0.2362



31.5969, 0.3842, 0.2938



31.5969, 0.4040, 0.4240



31.5969, 0.2422, 0.3641

Rectangle

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



31.5969, 0.2239, 0.2362



31.5969, 0.3028, 0.2492



31.5969, 0.4040, 0.4240



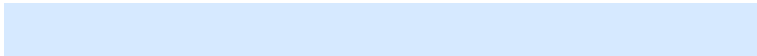
31.5969, 0.3130, 0.4304

Sweetspot

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



31.5980, 0.2239, 0.2362



80.0626, 0.2874, 0.3064



56.4262, 0.2726, 0.4133



16.6355, 0.2841, 0.3032



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.



31.5980, 0.2239, 0.2362



36.4992, 0.2071, 0.2124



16.8603, 0.2080, 0.1542



13.6237, 0.2982, 0.3163



9.0204, 0.1747, 0.1491



0.7560, 0.1833, 0.1797

Inverse Universe

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



26.5400, 0.3959, 0.2628



30.7806, 0.4236, 0.2532



66.9841, 0.3901, 0.4604



13.1531, 0.3218, 0.3180



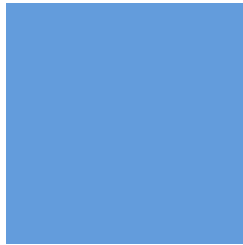
9.5344, 0.5071, 0.2567



0.6350, 0.4689, 0.2357

Previews

White Background



This preview shows how the Yxy color 31.5969, 0.2239, 0.2362 looks on a white background.

Color Contrast Check

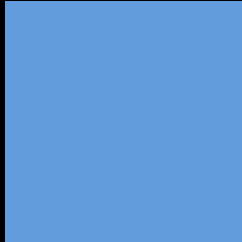
Large Text (above 18pt) WCAG AA × Fail

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 31.5969, 0.2239, 0.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

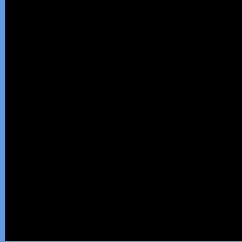
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

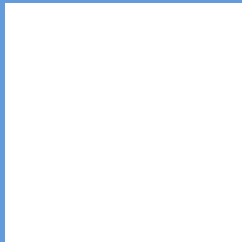
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5969, 0.2239, 0.2362

Background



This preview shows how black text looks on a background with the Yxy color 31.5969, 0.2239, 0.2362.

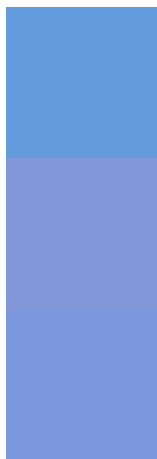


This preview shows how white text looks on a background with the Yxy color 31.5969, 0.2239, 0.2362.

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

31.5969, 0.2239, 0.2362

Protanopia

31.5443, 0.2451, 0.2376

Deuteranopia

31.5646, 0.2363, 0.2310



Tritanopia

31.5642, 0.2412, 0.3073

Trichromacy



Original Color

31.5969, 0.2239, 0.2362

Protanomaly

31.3882, 0.2361, 0.2364

Deuteranomaly

31.5803, 0.2311, 0.2325

Tritanomaly

31.4638, 0.2343, 0.2782

Monochromacy



Original Color

31.5969, 0.2239, 0.2362

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.4969, 0.2729, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5969, 0.2239, 0.2362 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(99, 156, 220)` looks like.

```
.text, #text, p{  
    color:rgb(99, 156, 220)  
}
```

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(99, 156, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 156, 220) }
```

Border

The CSS property to change the border of an element to Yxy 31.5969, 0.2239, 0.2362 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(99, 156, 220) }
```

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

```
.border{ border-color:rgb(99, 156, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 156, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 156, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 156, 220);  
box-shadow:4px 4px 4px 4px rgb(99, 156,  
220) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.5969, 0.2239, 0.2362$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 156, 220) }
```

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

```
.background{ background-color: rgb(99, 156,  
220) }
```

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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