

Converting Colors

$Y_{xy}(31.5869, 0.2181, 0.2201)$

Have a look what the booklet for
Yxy(31.5869, 0.2181, 0.2201)
contains.

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Color

Yxy(31.6467, 0.2182, 0.2200)

Conversions

Conversions Part 1

Format	Color
Hex	649AE8
RGB	100, 154, 232
RGB Percent	39%, 60%, 91%
CMY	0.6074, 0.3962, 0.0901
CMYK	0.57, 0.34, 0.00, 0.09
HSL	215°, 74%, 65%
HSV	215°, 57%, 91%
XYZ	31.3878, 31.6467, 80.8142
YIQ	146.7460, -57.2220, 12.8100

Conversions

Conversions Part 2

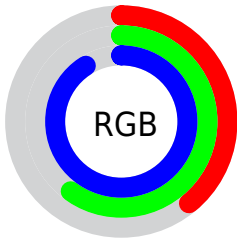
Format	Color
R _Y B	100, 138, 232
Decimal	6593256
CIE Lab	63.05, 4.87, -44.79
CIE LCh	63, 45.052, 276.207
Yxy	31.6467, 0.2182, 0.2200
Android (android.graphics.Color)	4284783336 (0xFF649AE8)
YUV	146.7460, 42.0302, -40.9962
Hunter-Lab	56.2554, 1.1474, -45.7948

Details

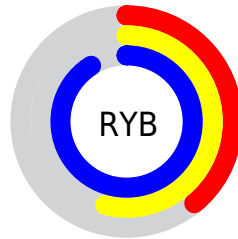
The Yxy color **31.6467, 0.2182, 0.2200** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **49.9844, 0.4276, 0.4147**, and the grayscale version is **28.9187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7027, 0.2520, 0.2741**, and **13.1264, 0.1913, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **26.2316, 0.2029, 0.1968**, and if you desaturate by 10%, it is **37.9589, 0.2348, 0.2426**.

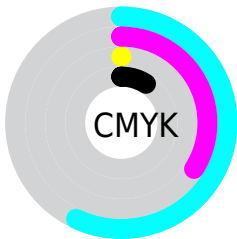
Distribution



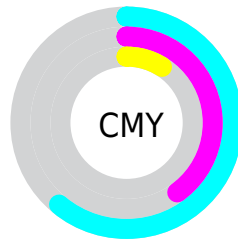
- Red (39%)
- Green (60%)
- Blue (91%)



- Red (39%)
- Yellow (54%)
- Blue (91%)



- Cyan (57%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)



- Cyan (61%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6467, 0.2182, 0.2200 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 31.6467, 0.2182, 0.2200 by changing the saturation by 10% instead.

■ 31.6467, 0.2182,
0.2200

■ 31.6467, 0.2182,
0.2200

■ 309.5067, 0.2663,
0.2746

■ 21.0918, 0.2064,
0.2068

■ 62.2568, 0.2356,
0.2396

■ 13.1911, 0.1914,
0.1902

■ 83.0808, 0.2422,
0.2471

■ 7.5603, 0.1721,
0.1691

■ 108.0966, 0.2478,
0.2534

■ 3.8149, 0.1466,
0.1416

■ 137.6886, 0.2525,
0.2588

■ 1.5706, 0.1126,
0.1056

■ 172.2413, 0.2567,
0.2636

■ 0.3376, 0.0616,
0.0473

■ 212.1389, 0.2603,

■ 0.0000, 0.0000,

0.2677

0.0000

257.7659, 0.2635,
0.2714

■ 31.6467, 0.2182,
0.2200

■ 31.6467, 0.2182,
0.2200

■ 26.2316, 0.2029,
0.1968

■ 37.9589, 0.2348,
0.2426

■ 21.6601, 0.1895,
0.1739

■ 45.2107, 0.2520,
0.2642

■ 17.8764, 0.1786,
0.1520


■ 53.4450, 0.2692,
0.2841


■ 14.8117, 0.1706,
0.1321


■ 62.7011, 0.2861,
0.3024

■ 13.9669, 0.1684,
0.1262

■ 73.0158, 0.3022,
0.3188

 84.4239, 0.3174,
0.3334

 95.5027, 0.3267,
0.3466

 98.6075, 0.3262,
0.3512

Harmonies

Analogous

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



31.6467, 0.1914, 0.2374



31.6467, 0.2182, 0.2200



31.6467, 0.2704, 0.2271

Triad

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



31.6467, 0.2182, 0.2200



31.6467, 0.4511, 0.3502



31.6467, 0.2742, 0.4248

Complementary

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



31.6467, 0.2182, 0.2200



49.9844, 0.4276, 0.4147

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.



31.6467, 0.3425, 0.4600



31.6467, 0.2182, 0.2200



31.6467, 0.4478, 0.4032

Square

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



31.6467, 0.2182, 0.2200



31.6467, 0.4106, 0.2982



31.6467, 0.4064, 0.4465



31.6467, 0.2199, 0.3530

Rectangle

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



31.6467, 0.2182, 0.2200



31.6467, 0.3165, 0.2435



31.6467, 0.4064, 0.4465



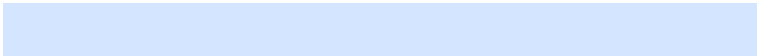
31.6467, 0.2963, 0.4420

Sweetspot

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



31.6478, 0.2182, 0.2200



77.3991, 0.2857, 0.3020



63.6184, 0.2673, 0.4042



16.0499, 0.2823, 0.2984



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.



31.6478, 0.2182, 0.2200



31.5859, 0.2007, 0.1934



18.3497, 0.2097, 0.1497



14.8488, 0.2981, 0.3147



7.9855, 0.1692, 0.1292



0.7690, 0.1772, 0.1580

Inverse Universe

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



28.6279, 0.4117, 0.2698



29.5149, 0.4442, 0.2626



74.0250, 0.3856, 0.4680



14.4651, 0.3229, 0.3194



10.0039, 0.5338, 0.2714



0.7573, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 31.6467, 0.2182, 0.2200 looks on a white background.

Color Contrast Check

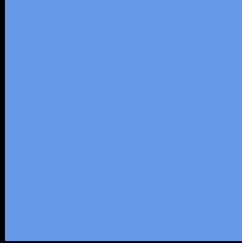
Large Text (above 18pt) WCAG AA × Fail

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 31.6467, 0.2182, 0.2200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

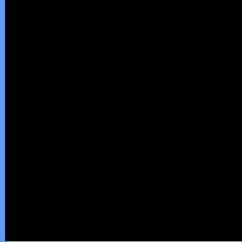
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

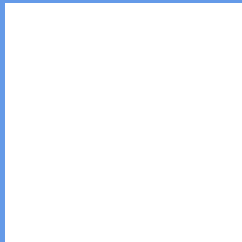
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6467, 0.2182, 0.2200

Background



This preview shows how black text looks on a background with the Yxy color 31.6467, 0.2182, 0.2200.



This preview shows how white text looks on a background with the Yxy color 31.6467, 0.2182, 0.2200.

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

31.6467, 0.2182, 0.2200

Protanopia

31.4563, 0.2332, 0.2209

Deuteranopia

31.4612, 0.2233, 0.2164



Tritanopia

31.7869, 0.2389, 0.3073

Trichromacy



Original Color

31.6467, 0.2182, 0.2200

Protanomaly

31.5034, 0.2276, 0.2212

Deuteranomaly

31.5278, 0.2213, 0.2172

Tritanomaly

31.5932, 0.2305, 0.2710

Monochromacy



Original Color

31.6467, 0.2182, 0.2200

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.7729, 0.2699, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6467, 0.2182, 0.2200 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(100, 154, 232)` looks like.

```
.text, #text, p{  
    color:rgb(100, 154, 232)  
}
```

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(100, 154, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 154, 232) }
```

Border

The CSS property to change the border of an element to Yxy 31.6467, 0.2182, 0.2200 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(100, 154, 232) }
```

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

```
.border{ border-color:rgb(100, 154, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 154, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 154, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 154, 232);  
box-shadow:4px 4px 4px 4px rgb(100, 154,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6467, 0.2182, 0.2200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 154, 232) }
```

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

```
.background{ background-color: rgb(100,  
154, 232) }
```

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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