

Converting Colors

$Yxy(31.6095, 0.2211, 0.2064)$

Have a look what the booklet for
Yxy(31.6095, 0.2211, 0.2064)
contains.

Yxy(31.5588, 0.2212, 0.2064)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.5588, 0.2212, 0.2064)

Conversions

Conversions Part 1

Format	Color
Hex	7495F1
RGB	116, 149, 241
RGB Percent	45%, 58%, 95%
CMY	0.5452, 0.4156, 0.0549
CMYK	0.52, 0.38, 0.00, 0.05
HSL	224°, 82%, 70%
HSV	224°, 52%, 95%
XYZ	33.8217, 31.5588, 87.5206
YIQ	149.6210, -49.2000, 21.6160

Conversions

Conversions Part 2

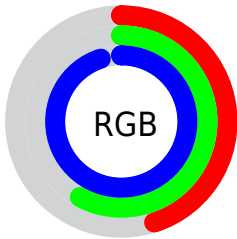
Format	Color
R _Y B	116, 142, 241
Decimal	7640561
CIE Lab	62.98, 13.90, -49.79
CIE LCh	63, 51.694, 285.596
Yxy	31.5588, 0.2212, 0.2064
Android (android.graphics.Color)	4285830641 (0xFF7495F1)
YUV	149.6210, 45.0498, -29.4856
Hunter-Lab	56.1772, 9.1566, -53.0461

Details

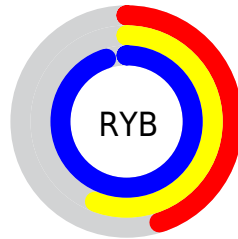
The Yxy color **31.5588, 0.2212, 0.2064** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.0424, 0.4055, 0.4257**, and the grayscale version is **30.1499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9305, 0.2599, 0.2694**, and **13.1686, 0.1953, 0.1758** is the 20% darker color. If you saturate the color by 10%, you get **24.9278, 0.2032, 0.1782**, and if you desaturate by 10%, it is **39.4742, 0.2400, 0.2341**.

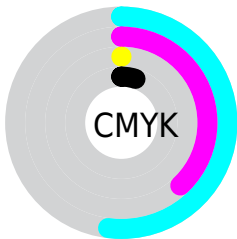
Distribution



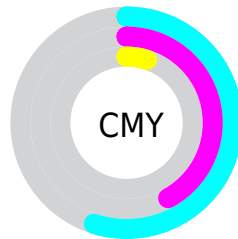
- Red (45%)
- Green (58%)
- Blue (95%)



- Red (45%)
- Yellow (56%)
- Blue (95%)



- Cyan (52%)
- Magenta (38%)
- Yellow (0%)
- Black (5%)




- Cyan (55%)
- Magenta (42%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5588, 0.2212, 0.2064 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 31.5588, 0.2212, 0.2064 by changing the saturation by 10% instead.


 31.5588, 0.2212,
0.2064


 31.5588, 0.2212,
0.2064


309.1045, 0.2680,
0.2664

 21.0247, 0.2097,
0.1923


 62.1188, 0.2382,
0.2276

 13.1421, 0.1951,
0.1750


 82.9135, 0.2446,
0.2358

 7.5265, 0.1764,
0.1533


 107.8972, 0.2500,
0.2427

 3.7935, 0.1517,
0.1258

137.4543, 0.2546,
0.2488

 1.5587, 0.1189,
0.0911

171.9692, 0.2586,
0.2540

 0.3295, 0.0756,
0.0382

211.8262, 0.2621,

 0.0000, 0.0000,

0.2586

0.0000

257.4099, 0.2652,
0.2627

■ 31.5588, 0.2212,
0.2064

■ 31.5588, 0.2212,
0.2064

■ 24.9278, 0.2032,
0.1782

■ 39.4742, 0.2400,
0.2341

■ 19.5055, 0.1871,
0.1507

■ 48.7369, 0.2588,
0.2603

■ 15.2127, 0.1737,
0.1254


■ 59.4095, 0.2769,
0.2844

■ 11.9573, 0.1637,
0.1036

■ 71.5495, 0.2940,
0.3062

■ 9.9839, 0.1581,
0.0892

■ 85.2112, 0.3099,
0.3256

 99.1304, 0.3209,
0.3425

Harmonies

Analogous

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



31.5588, 0.1828, 0.2159



31.5588, 0.2212, 0.2064



31.5588, 0.2876, 0.2221

Triad

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



31.5588, 0.2212, 0.2064



31.5588, 0.4751, 0.3692



31.5588, 0.2459, 0.4170

Complementary

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



31.5588, 0.2212, 0.2064



65.0424, 0.4055, 0.4257

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.



31.5588, 0.3200, 0.4751



31.5588, 0.2212, 0.2064



31.5588, 0.4545, 0.4278

Square

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



31.5588, 0.2212, 0.2064



31.5588, 0.4446, 0.3106



31.5588, 0.3963, 0.4724



31.5588, 0.1940, 0.3280

Rectangle

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



31.5588, 0.2212, 0.2064



31.5588, 0.3429, 0.2446



31.5588, 0.3963, 0.4724



31.5588, 0.2690, 0.4423

Sweetspot

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



31.5599, 0.2212, 0.2064



75.3887, 0.2871, 0.2974



71.1529, 0.2608, 0.3712



15.5279, 0.2835, 0.2929



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.



31.5599, 0.2212, 0.2064



28.1322, 0.2027, 0.1773



24.8647, 0.2334, 0.1716



15.9082, 0.2980, 0.3111



5.6017, 0.1589, 0.0918



0.6234, 0.1658, 0.1168

Inverse Universe

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



33.3518, 0.4218, 0.2935



31.6460, 0.4577, 0.2888



78.1357, 0.3669, 0.4646



15.8274, 0.3252, 0.3228



10.3588, 0.5883, 0.3015



0.8776, 0.5512, 0.2810

Previews

White Background



This preview shows how the Yxy color 31.5588, 0.2212, 0.2064 looks on a white background.

Color Contrast Check

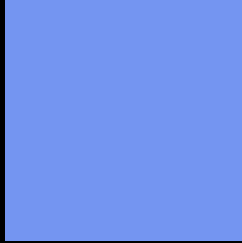
Large Text (above 18pt) WCAG AA × Fail

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 31.5588, 0.2212, 0.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

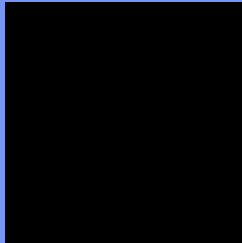
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5588, 0.2212, 0.2064

Background



This preview shows how black text looks on a background with the Yxy color 31.5588, 0.2212, 0.2064.



This preview shows how white text looks on a background with the Yxy color 31.5588, 0.2212, 0.2064.

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

31.5588, 0.2212, 0.2064

Protanopia

31.6277, 0.2218, 0.2066

Deuteranopia

31.6313, 0.2155, 0.2095



Tritanopia

31.7087, 0.2478, 0.3075

Trichromacy



Original Color

31.5588, 0.2212, 0.2064

Protanomaly

31.6277, 0.2218, 0.2066

Deuteranomaly

31.6126, 0.2178, 0.2088

Tritanomaly

31.4486, 0.2368, 0.2647

Monochromacy



Original Color

31.5588, 0.2212, 0.2064

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.6349, 0.2729, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5588, 0.2212, 0.2064 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(116, 149, 241)` looks like.

```
.text, #text, p{  
    color:rgb(116, 149, 241)  
}
```

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(116, 149, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 149, 241) }
```

Border

The CSS property to change the border of an element to Yxy 31.5588, 0.2212, 0.2064 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(116, 149, 241) }
```

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

```
.border{ border-color:rgb(116, 149, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 149, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 149, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 149, 241);  
box-shadow:4px 4px 4px 4px rgb(116, 149,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5588, 0.2212, 0.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 149, 241) }
```

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

```
.background{ background-color: rgb(116,  
149, 241) }
```

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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