

Converting Colors

$Yxy(32.0718, 0.2035, 0.1830)$

Have a look what the booklet for
Yxy(32.0718, 0.2035, 0.1830)
contains.

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Color

Yxy(31.4242, 0.2072, 0.1912)

Conversions

Conversions Part 1

Format	Color
Hex	6495FF
RGB	100, 149, 255
RGB Percent	39%, 58%, 100%
CMY	0.6077, 0.4157, 0.0000
CMYK	0.61, 0.42, 0.00, 0.00
HSL	221°, 100%, 70%
HSV	221°, 61%, 100%
XYZ	34.0538, 31.4242, 98.8745
YIQ	146.4330, -63.2300, 22.5780

Conversions

Conversions Part 2

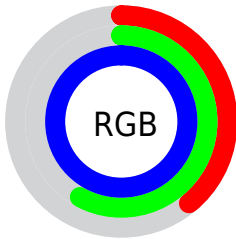
Format	Color
RYB	100, 137, 255
Decimal	6591999
CIELab	62.86, 15.19, -57.70
CIElCh	63, 59.668, 284.750
Yxy	31.4242, 0.2072, 0.1912
Android (android.graphics.Color)	4284782079 (0xFF6495FF)
YUV	146.4330, 53.5235, -40.7217
Hunter-Lab	56.0573, 10.3354, -65.3363

Details

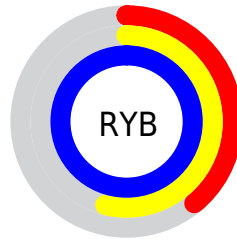
The Yxy color **31.4242, 0.2072, 0.1912** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.3336, 0.4279, 0.4325**, and the grayscale version is **28.7298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6133, 0.2528, 0.2682**, and **13.0943, 0.1785, 0.1576** is the 20% darker color. If you saturate the color by 10%, you get **25.0795, 0.1914, 0.1649**, and if you desaturate by 10%, it is **39.0523, 0.2247, 0.2177**.

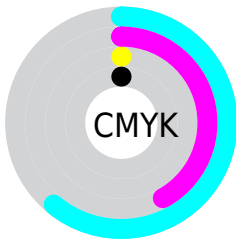
Distribution



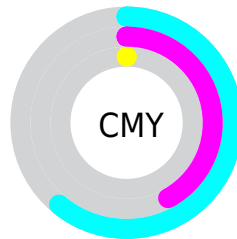
- Red (39%)
- Green (58%)
- Blue (100%)



- Red (39%)
- Yellow (54%)
- Blue (100%)



- Cyan (61%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4242, 0.2072, 0.1912 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 31.4242, 0.2072, 0.1912 by changing the saturation by 10% instead.


 31.4242, 0.2072,
0.1912


 31.4242, 0.2072,
0.1912


308.4879, 0.2603,
0.2575


 20.9221, 0.1945,
0.1762


 61.9073, 0.2262,
0.2143

 13.0671, 0.1787,
0.1579


 82.6571, 0.2335,
0.2233

 7.4747, 0.1587,
0.1355


 107.5916, 0.2397,
0.2310

 3.7607, 0.1333,
0.1081

137.0951, 0.2450,
0.2377

 1.5406, 0.1009,
0.0751

171.5521, 0.2496,
0.2436

 0.3171, 0.0612,
0.0289

211.3470, 0.2536,

 0.0000, 0.0000,

0.2487

0.0000

256.8641, 0.2572,
0.2533

■ 31.4242, 0.2072,
0.1912

■ 31.4242, 0.2072,
0.1912

■ 25.0795, 0.1914,
0.1649

■ 39.0523, 0.2247,
0.2177

■ 19.9343, 0.1780,
0.1400

■ 48.0334, 0.2429,
0.2434

■ 15.8977, 0.1678,
0.1177

■ 58.4353, 0.2612,
0.2676

■ 13.0428, 0.1612,
0.1003

■ 70.3200, 0.2790,
0.2898

■ 83.7455, 0.2958,
0.3099

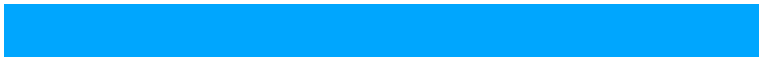
98.7667, 0.3116,
0.3277

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



31.4242, 0.1661, 0.2014



31.4242, 0.2072, 0.1912



31.4242, 0.2806, 0.2081

Triad

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



31.4242, 0.2072, 0.1912



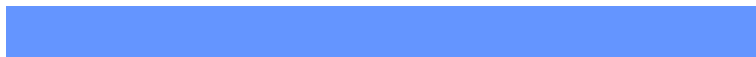
31.4242, 0.4987, 0.3688



31.4242, 0.2370, 0.4351

Complementary

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



31.4242, 0.2072, 0.1912



66.3336, 0.4279, 0.4325

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.



31.4242, 0.3207, 0.5013



31.4242, 0.2072, 0.1912



31.4242, 0.4738, 0.4353

Square

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



31.4242, 0.2072, 0.1912



31.4242, 0.4632, 0.3045



31.4242, 0.4069, 0.4911



31.4242, 0.1789, 0.3289

Rectangle

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



31.4242, 0.2072, 0.1912



31.4242, 0.3439, 0.2325



31.4242, 0.4069, 0.4911



31.4242, 0.2631, 0.4650

Sweetspot

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



31.4252, 0.2072, 0.1912



73.8892, 0.2838, 0.2956



78.6808, 0.2587, 0.3903



15.0150, 0.2787, 0.2896



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.



31.4252, 0.2072, 0.1912



23.8338, 0.1881, 0.1592



20.9623, 0.2112, 0.1402



18.3144, 0.2979, 0.3123



7.0504, 0.1620, 0.1032



0.8728, 0.1682, 0.1253

Inverse Universe

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



32.5485, 0.4424, 0.2811



27.0478, 0.4853, 0.2779



88.7016, 0.3787, 0.4825



18.0817, 0.3244, 0.3215



11.4397, 0.5711, 0.2920



1.1327, 0.5391, 0.2744

Previews

White Background



This preview shows how the Yxy color 31.4242, 0.2072, 0.1912 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 31.4242, 0.2072, 0.1912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

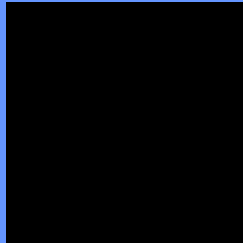
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

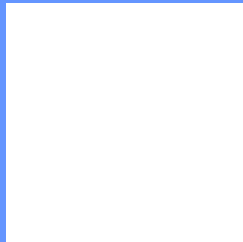
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.4242, 0.2072, 0.1912

Background



This preview shows how black text looks on a background with the Yxy color 31.4242, 0.2072, 0.1912.



This preview shows how white text looks on a background with the Yxy color 31.4242, 0.2072, 0.1912.

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

31.4242, 0.2072, 0.1912

Protanopia

31.4614, 0.2106, 0.1918

Deuteranopia

31.6437, 0.2007, 0.1949



Tritanopia

31.2549, 0.2315, 0.3052

Trichromacy



Original Color

31.4242, 0.2072, 0.1912

Protanomaly

31.2786, 0.2091, 0.1913

Deuteranomaly

31.6385, 0.2030, 0.1943

Tritanomaly

30.8790, 0.2205, 0.2548

Monochromacy



Original Color

31.4242, 0.2072, 0.1912

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.0797, 0.2625, 0.2692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4242, 0.2072, 0.1912 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, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 149, 255)  
}
```

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, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 149, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.4242, 0.2072, 0.1912 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, 149, 255) }
```

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

```
.border{ border-color:rgb(100, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 149,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4242, 0.2072, 0.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 149, 255) }
```

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

```
.background{ background-color: rgb(100,  
149, 255) }
```

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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