

Converting Colors

$Y_{xy}(28.6109, 0.2119, 0.2022)$

Have a look what the booklet for
Yxy(28.6109, 0.2119, 0.2022)
contains.

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Color

Yxy(28.4861, 0.2122, 0.2022)

Conversions

Conversions Part 1

Format	Color
Hex	6190EB
RGB	97, 144, 235
RGB Percent	38%, 56%, 92%
CMY	0.6196, 0.4353, 0.0785
CMYK	0.59, 0.39, 0.00, 0.08
HSL	220°, 78%, 65%
HSV	220°, 59%, 92%
XYZ	29.8949, 28.4861, 82.4998
YIQ	140.3210, -57.2230, 18.3370

Conversions

Conversions Part 2

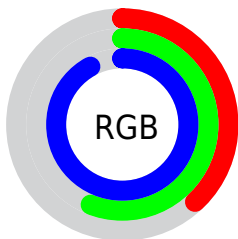
Format	Color
R _Y B	97, 132, 235
Decimal	6394091
CIE Lab	60.33, 11.05, -50.74
CIE LCh	60, 51.924, 282.282
Yxy	28.4861, 0.2122, 0.2022
Android (android.graphics.Color)	4284584171 (0xFF6190EB)
YUV	140.3210, 46.6767, -37.9925
Hunter-Lab	53.3724, 6.5797, -54.2863

Details

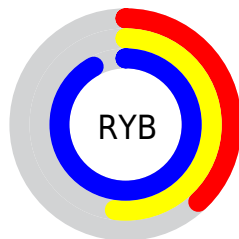
The Yxy color **28.4861, 0.2122, 0.2022** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.4734, 0.4255, 0.4262**, and the grayscale version is **26.1892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3206, 0.2489, 0.2604**, and **11.4195, 0.1829, 0.1678** is the 20% darker color. If you saturate the color by 10%, you get **23.0062, 0.1963, 0.1766**, and if you desaturate by 10%, it is **34.9941, 0.2295, 0.2276**.

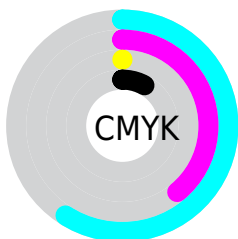
Distribution



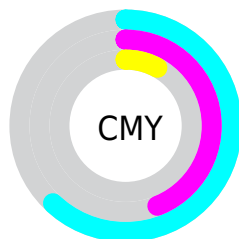
- Red (38%)
- Green (56%)
- Blue (92%)



- Red (38%)
- Yellow (52%)
- Blue (92%)



- Cyan (59%)
- Magenta (39%)
- Yellow (0%)
- Black (8%)



- Cyan (62%)
- Magenta (44%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4861, 0.2122, 0.2022 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 28.4861, 0.2122, 0.2022 by changing the saturation by 10% instead.

■ 28.4861, 0.2122,
0.2022

■ 28.4861, 0.2122,
0.2022

■ 294.7824, 0.2639,
0.2652

■ 18.6924, 0.1994,
0.1872

■ 57.2596, 0.2310,
0.2247

■ 11.4482, 0.1832,
0.1687

■ 77.0082, 0.2381,
0.2333

■ 6.3692, 0.1624,
0.1454

■ 100.8439, 0.2441,
0.2406

■ 3.0708, 0.1352,
0.1160

■ 129.1510, 0.2492,
0.2469

■ 1.1688, 0.0997,
0.0794

■ 162.3141, 0.2537,
0.2524

■ 0.0360, 0.0433,
0.0051

■ 200.7174, 0.2575,

■ 0.0000, 0.0000,

0.2572

0.0000

244.7454, 0.2609,
0.2615

■ 28.4861, 0.2122,
0.2022

■ 28.4861, 0.2122,
0.2022

■ 23.0062, 0.1963,
0.1766

■ 34.9941, 0.2295,
0.2276

■ 18.4905, 0.1826,
0.1520

■ 42.5824, 0.2475,
0.2520

■ 14.8711, 0.1717,
0.1293


■ 51.3029, 0.2654,
0.2748


■ 12.0567, 0.1640,
0.1095


■ 61.2029, 0.2827,
0.2956

■ 11.7420, 0.1631,
0.1072

■ 72.3267, 0.2992,
0.3144

 84.7165, 0.3146,
0.3310

 97.1616, 0.3246,
0.3459

 98.7767, 0.3244,
0.3483

Harmonies

Analogous

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



28.4861, 0.1761, 0.2148



28.4861, 0.2122, 0.2022



28.4861, 0.2776, 0.2158

Triad

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



28.4861, 0.2122, 0.2022



28.4861, 0.4805, 0.3629



28.4861, 0.2508, 0.4301

Complementary

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



28.4861, 0.2122, 0.2022



54.4734, 0.4255, 0.4262

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.



28.4861, 0.3286, 0.4842



28.4861, 0.2122, 0.2022



28.4861, 0.4638, 0.4239

Square

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



28.4861, 0.2122, 0.2022



28.4861, 0.4431, 0.3032



28.4861, 0.4065, 0.4738



28.4861, 0.1942, 0.3376

Rectangle

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



28.4861, 0.2122, 0.2022



28.4861, 0.3341, 0.2374



28.4861, 0.4065, 0.4738



28.4861, 0.2753, 0.4550

Sweetspot

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



28.4871, 0.2122, 0.2022



74.4987, 0.2838, 0.2969



65.5176, 0.2620, 0.3940



15.1621, 0.2788, 0.2910



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.



28.4871, 0.2122, 0.2022



26.7578, 0.1939, 0.1726



18.3767, 0.2122, 0.1461



15.3878, 0.2980, 0.3130



6.7491, 0.1639, 0.1101



0.7027, 0.1716, 0.1377

Inverse Universe

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



28.2213, 0.4299, 0.2785



28.3132, 0.4680, 0.2738



74.6030, 0.3805, 0.4757



15.1387, 0.3239, 0.3210



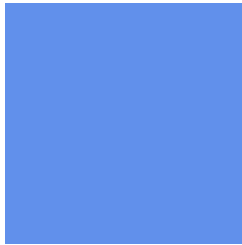
10.1741, 0.5609, 0.2864



0.8164, 0.5222, 0.2650

Previews

White Background



This preview shows how the Yxy color 28.4861, 0.2122, 0.2022 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4861, 0.2122, 0.2022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

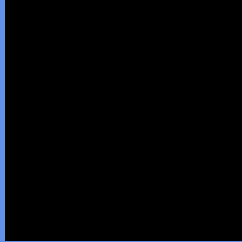
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

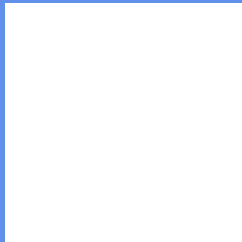
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4861, 0.2122, 0.2022

Background



This preview shows how black text looks on a background with the Yxy color 28.4861, 0.2122, 0.2022.



This preview shows how white text looks on a background with the Yxy color 28.4861, 0.2122, 0.2022.

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

28.4861, 0.2122, 0.2022

Protanopia

28.4804, 0.2190, 0.2032

Deuteranopia

28.4226, 0.2091, 0.2026



Tritanopia

28.6212, 0.2360, 0.3079

Trichromacy



Original Color

28.4861, 0.2122, 0.2022

Protanomaly

28.5887, 0.2166, 0.2030

Deuteranomaly

28.5761, 0.2105, 0.2030

Tritanomaly

28.3398, 0.2257, 0.2626

Monochromacy



Original Color

28.4861, 0.2122, 0.2022

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.4300, 0.2655, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4861, 0.2122, 0.2022 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(97, 144, 235)` looks like.

```
.text, #text, p{  
    color:rgb(97, 144, 235)  
}
```

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(97, 144, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 144, 235) }
```

Border

The CSS property to change the border of an element to Yxy 28.4861, 0.2122, 0.2022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

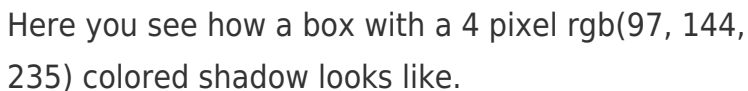
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 144, 235) }
```

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

```
.border{ border-color:rgb(97, 144, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 144, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 144, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 144, 235); box-shadow:4px 4px 4px 4px rgb(97, 144, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4861, 0.2122, 0.2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 144, 235) }
```

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

```
.background{ background-color: rgb(97, 144,  
235) }
```

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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