

Converting Colors

$Yxy(28.4931, 0.2023, 0.1791)$

Have a look what the booklet for
Yxy(28.4931, 0.2023, 0.1791)
contains.

Yxy(28.4091, 0.2022, 0.1787)	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(28.4091, 0.2022, 0.1787)

Conversions

Conversions Part 1

Format	Color
Hex	5F8CFF
RGB	95, 140, 255
RGB Percent	37%, 55%, 100%
CMY	0.6277, 0.4509, 0.0000
CMYK	0.63, 0.45, 0.00, 0.00
HSL	223°, 100%, 69%
HSV	223°, 63%, 100%
XYZ	32.1450, 28.4091, 98.4223
YIQ	139.6550, -63.7350, 26.2250

Conversions

Conversions Part 2

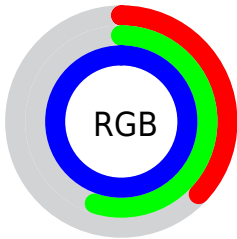
Format	Color
R _Y B	95, 130, 255
Decimal	6262015
CIE Lab	60.26, 19.67, -61.90
CIE LCh	60, 64.951, 287.627
Yxy	28.4091, 0.2022, 0.1787
Android (android.graphics.Color)	4284452095 (0xFF5F8CFF)
YUV	139.6550, 56.8651, -39.1624
Hunter-Lab	53.3002, 14.3770, -72.1728

Details

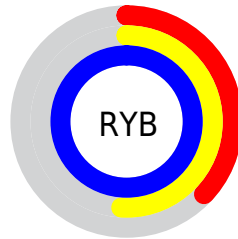
The Yxy color **28.4091, 0.2022, 0.1787** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **68.1378, 0.4281, 0.4398**, and the grayscale version is **25.8726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6290, 0.2487, 0.2556**, and **11.5134, 0.1735, 0.1446** is the 20% darker color. If you saturate the color by 10%, you get **22.3443, 0.1864, 0.1517**, and if you desaturate by 10%, it is **35.8095, 0.2199, 0.2064**.

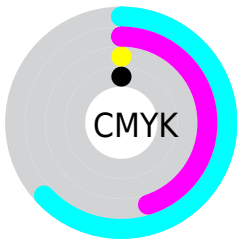
Distribution



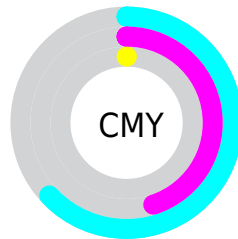
- Red (37%)
- Green (55%)
- Blue (100%)



- Red (37%)
- Yellow (51%)
- Blue (100%)



- Cyan (63%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4091, 0.2022, 0.1787 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 28.4091, 0.2022, 0.1787 by changing the saturation by 10% instead.


 28.4091, 0.2022,
0.1787

 28.4091, 0.2022,
0.1787


294.4166, 0.2585,
0.2507

 18.6343, 0.1887,
0.1626


 57.1369, 0.2224,
0.2037

 11.4063, 0.1719,
0.1431


 76.8587, 0.2301,
0.2134

 6.3408, 0.1507,
0.1196


 100.6650, 0.2367,
0.2218

 3.0534, 0.1240,
0.0914

 128.9400, 0.2423,
0.2291

 1.1597, 0.0905,
0.0589

162.0683, 0.2471,
0.2355

 0.0284, 0.0486,
0.0027

200.4343, 0.2514,

 0.0000, 0.0000,

0.2412

0.0000

244.4222, 0.2551,
0.2462

■ 28.4091, 0.2022,
0.1787

■ 28.4091, 0.2022,
0.1787

■ 22.3443, 0.1864,
0.1517

■ 35.8095, 0.2199,
0.2064

■ 17.5287, 0.1734,
0.1268

■ 44.6291, 0.2385,
0.2337

■ 13.8584, 0.1639,
0.1053

■ 54.9404, 0.2571,
0.2595

■ 11.8310, 0.1590,
0.0924

■ 66.8116, 0.2753,
0.2833

■ 80.3063, 0.2925,
0.3049

95.4846, 0.3085,
0.3241

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.4091, 0.1551, 0.1858



28.4091, 0.2022, 0.1787



28.4091, 0.2856, 0.1996

Triad

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



28.4091, 0.2022, 0.1787



28.4091, 0.5196, 0.3757



28.4091, 0.2193, 0.4390

Complementary

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



28.4091, 0.2022, 0.1787



68.1378, 0.4281, 0.4398

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.



28.4091, 0.3091, 0.5221



28.4091, 0.2022, 0.1787



28.4091, 0.4833, 0.4490

Square

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



28.4091, 0.2022, 0.1787



28.4091, 0.4886, 0.3063



28.4091, 0.4048, 0.5125



28.4091, 0.1607, 0.3162

Rectangle

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



28.4091, 0.2022, 0.1787



28.4091, 0.3575, 0.2274



28.4091, 0.4048, 0.5125



28.4091, 0.2469, 0.4758

Sweetspot

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



28.4080, 0.2022, 0.1787



71.7096, 0.2819, 0.2917



78.5846, 0.2554, 0.3856



14.5495, 0.2769, 0.2854



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.



28.4080, 0.2022, 0.1787



21.1674, 0.1833, 0.1459



20.1065, 0.2110, 0.1356



18.2106, 0.2979, 0.3114



6.3981, 0.1598, 0.0951



0.7985, 0.1658, 0.1167

Inverse Universe

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



31.3252, 0.4567, 0.2858



26.1975, 0.5026, 0.2843



87.6102, 0.3763, 0.4889



18.0712, 0.3250, 0.3223



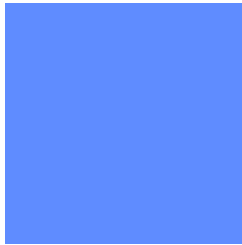
11.3739, 0.5832, 0.2987



1.1251, 0.5513, 0.2811

Previews

White Background



This preview shows how the Yxy color 28.4091, 0.2022, 0.1787 looks on a white background.

Color Contrast Check

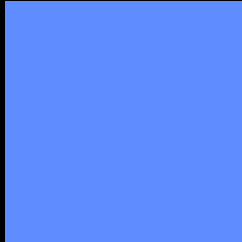
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4091, 0.2022, 0.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

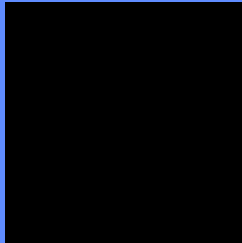
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

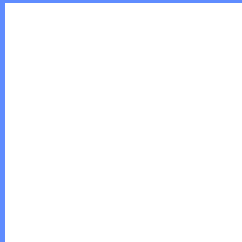
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4091, 0.2022, 0.1787

Background



This preview shows how black text looks on a background with the Yxy color 28.4091, 0.2022, 0.1787.



This preview shows how white text looks on a background with the Yxy color 28.4091, 0.2022, 0.1787.

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

28.4091, 0.2022, 0.1787

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.3797, 0.1903, 0.1835



Tritanopia

28.4786, 0.2278, 0.3059

Trichromacy



Original Color

28.4091, 0.2022, 0.1787

Protanomaly

28.5451, 0.2012, 0.1796

Deuteranomaly

28.3312, 0.1936, 0.1814

Tritanomaly

27.9140, 0.2159, 0.2490

Monochromacy



Original Color

28.4091, 0.2022, 0.1787

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.4187, 0.2600, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4091, 0.2022, 0.1787 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(95, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(95, 140, 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(95, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.4091, 0.2022, 0.1787 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(95, 140, 255) }
```

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

```
.border{ border-color:rgb(95, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(95, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4091, 0.2022, 0.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 140, 255) }
```

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

```
.background{ background-color: rgb(95, 140,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor