

Converting Colors

$Y_{xy}(29.0432, 0.2041, 0.1813)$

Have a look what the booklet for
Yxy(29.0432, 0.2041, 0.1813)
contains.

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Color

Yxy(29.1627, 0.2042, 0.1818)

Conversions

Conversions Part 1

Format	Color
Hex	628EFF
RGB	98, 142, 255
RGB Percent	38%, 56%, 100%
CMY	0.6157, 0.4431, 0.0001
CMYK	0.62, 0.44, 0.00, 0.00
HSL	223°, 100%, 69%
HSV	223°, 62%, 100%
XYZ	32.7559, 29.1627, 98.4923
YIQ	141.7260, -62.4970, 25.8150

Conversions

Conversions Part 2

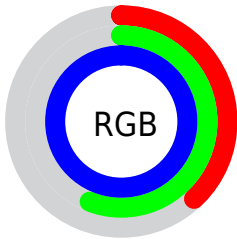
Format	Color
R _Y B	98, 132, 255
Decimal	6459135
CIE Lab	60.92, 18.98, -60.79
CIE LCh	61, 63.689, 287.338
Yxy	29.1627, 0.2042, 0.1818
Android (android.graphics.Color)	4284649215 (0xFF628EFF)
YUV	141.7260, 55.8441, -38.3477
Hunter-Lab	54.0025, 13.7671, -70.3341

Details

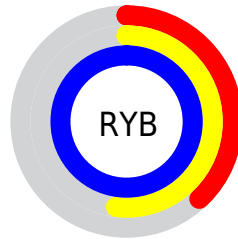
The Yxy color **29.1627, 0.2042, 0.1818** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.7072, 0.4257, 0.4384**, and the grayscale version is **26.7308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7238, 0.2503, 0.2583**, and **11.8793, 0.1747, 0.1480** is the 20% darker color. If you saturate the color by 10%, you get **22.9458, 0.1881, 0.1546**, and if you desaturate by 10%, it is **36.7317, 0.2220, 0.2096**.

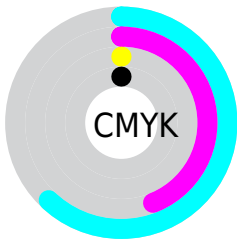
Distribution



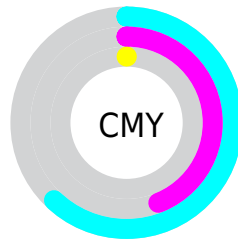
- Red (38%)
- Green (56%)
- Blue (100%)



- Red (38%)
- Yellow (52%)
- Blue (100%)



- Cyan (62%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1627, 0.2042, 0.1818 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 29.1627, 0.2042, 0.1818 by changing the saturation by 10% instead.


 29.1627, 0.2042,
0.1818


 29.1627, 0.2042,
0.1818


297.9818, 0.2594,
0.2524

 19.2039, 0.1909,
0.1659


 58.3355, 0.2240,
0.2063


 11.8177, 0.1745,
0.1468


 78.3183, 0.2316,
0.2158

 6.6197, 0.1537,
0.1236


 102.4112, 0.2380,
0.2241

 3.2254, 0.1273,
0.0955

 130.9987, 0.2435,
0.2312

 1.2505, 0.0941,
0.0628

164.4651, 0.2482,
0.2375

 0.1024, 0.0530,
0.0097

203.1949, 0.2524,

 0.0000, 0.0000,

0.2430

0.0000

247.5723, 0.2561,
0.2480

■ 29.1627, 0.2042,
0.1818

■ 29.1627, 0.2042,
0.1818

■ 22.9458, 0.1881,
0.1546

■ 36.7317, 0.2220,
0.2096

■ 17.9898, 0.1747,
0.1294

■ 45.7297, 0.2407,
0.2367

■ 14.1941, 0.1648,
0.1074

■ 56.2307, 0.2594,
0.2624

■ 11.7882, 0.1589,
0.0922

■ 68.3024, 0.2774,
0.2860

■ 82.0083, 0.2945,
0.3073

97.4081, 0.3104,
0.3262

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



29.1627, 0.1581, 0.1893



29.1627, 0.2042, 0.1818



29.1627, 0.2855, 0.2021

Triad

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



29.1627, 0.2042, 0.1818



29.1627, 0.5145, 0.3750



29.1627, 0.2227, 0.4367

Complementary

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



29.1627, 0.2042, 0.1818



68.7072, 0.4257, 0.4384

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.



29.1627, 0.3109, 0.5165



29.1627, 0.2042, 0.1818



29.1627, 0.4804, 0.4466

Square

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



29.1627, 0.2042, 0.1818



29.1627, 0.4831, 0.3067



29.1627, 0.4044, 0.5078



29.1627, 0.1646, 0.3181

Rectangle

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



29.1627, 0.2042, 0.1818



29.1627, 0.3555, 0.2292



29.1627, 0.4044, 0.5078



29.1627, 0.2498, 0.4720

Sweetspot

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



29.1636, 0.2042, 0.1818



73.0165, 0.2837, 0.2938



78.7812, 0.2560, 0.3843



14.8046, 0.2786, 0.2874



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.



29.1636, 0.2042, 0.1818



21.6323, 0.1846, 0.1482



20.8584, 0.2133, 0.1393



18.2068, 0.2979, 0.3114



6.3761, 0.1597, 0.0949



0.7959, 0.1657, 0.1164

Inverse Universe

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



31.9431, 0.4527, 0.2864



26.5285, 0.4991, 0.2844



87.7553, 0.3756, 0.4863



18.0708, 0.3250, 0.3224



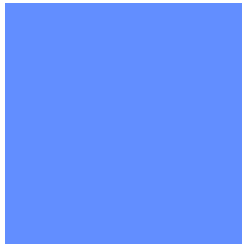
11.3716, 0.5837, 0.2989



1.1249, 0.5517, 0.2813

Previews

White Background



This preview shows how the Yxy color 29.1627, 0.2042, 0.1818 looks on a white background.

Color Contrast Check

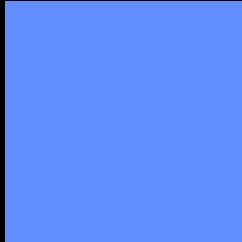
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1627, 0.2042, 0.1818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

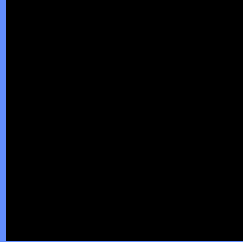
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1627, 0.2042, 0.1818

Background



This preview shows how black text looks on a background with the Yxy color 29.1627, 0.2042, 0.1818.



This preview shows how white text looks on a background with the Yxy color 29.1627, 0.2042, 0.1818.

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

29.1627, 0.2042, 0.1818

Protanopia

29.2978, 0.2031, 0.1826

Deuteranopia

29.3277, 0.1930, 0.1861



Tritanopia

29.0583, 0.2303, 0.3062

Trichromacy



Original Color

29.1627, 0.2042, 0.1818

Protanomaly

29.3517, 0.2036, 0.1828

Deuteranomaly

29.1694, 0.1962, 0.1847

Tritanomaly

28.5107, 0.2184, 0.2498

Monochromacy



Original Color

29.1627, 0.2042, 0.1818

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.2005, 0.2613, 0.2650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1627, 0.2042, 0.1818 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(98, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 142, 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(98, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 142, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.1627, 0.2042, 0.1818 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(98, 142, 255) }
```

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

```
.border{ border-color:rgb(98, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 142,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1627, 0.2042, 0.1818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 142, 255) }
```

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

```
.background{ background-color: rgb(98, 142,  
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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