

Converting Colors

$Y_{xy}(28.0547, 0.1967, 0.1766)$

Have a look what the booklet for
Yxy(28.0547, 0.1967, 0.1766)
contains.

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Color

Yxy(28.0636, 0.1972, 0.1782)

Conversions

Conversions Part 1

Format	Color
Hex	528DFF
RGB	82, 141, 255
RGB Percent	32%, 55%, 100%
CMY	0.6781, 0.4471, 0.0001
CMYK	0.68, 0.45, 0.00, 0.00
HSL	220°, 100%, 66%
HSV	220°, 68%, 100%
XYZ	31.0558, 28.0636, 98.3643
YIQ	136.3550, -71.7580, 22.9460

Conversions

Conversions Part 2

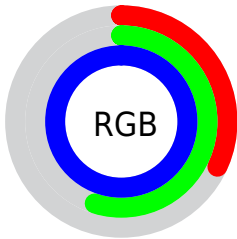
Format	Color
R _Y B	82, 126, 255
Decimal	5410303
CIE Lab	59.95, 17.03, -62.40
CIE LCh	60, 64.680, 285.262
Yxy	28.0636, 0.1972, 0.1782
Android (android.graphics.Color)	4283600383 (0xFF528DFF)
YUV	136.3550, 58.4920, -47.6693
Hunter-Lab	52.9751, 11.9363, -73.0073

Details

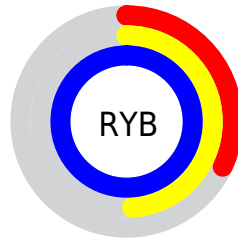
The Yxy color **28.0636, 0.1972, 0.1782** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **61.3733, 0.4451, 0.4370**, and the grayscale version is **24.5651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0995, 0.2433, 0.2558**, and **11.6855, 0.1740, 0.1462** is the 20% darker color. If you saturate the color by 10%, you get **22.5382, 0.1833, 0.1533**, and if you desaturate by 10%, it is **34.7676, 0.2133, 0.2039**.

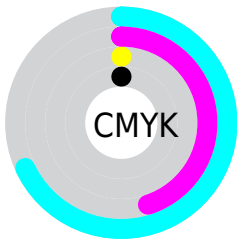
Distribution



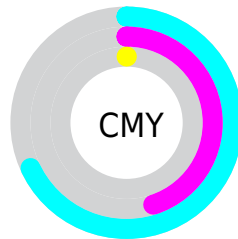
- Red (32%)
- Green (55%)
- Blue (100%)



- Red (32%)
- Yellow (49%)
- Blue (100%)



- Cyan (68%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0636, 0.1972, 0.1782 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 28.0636, 0.1972, 0.1782 by changing the saturation by 10% instead.


 28.0636, 0.1972,
0.1782


 28.0636, 0.1972,
0.1782


292.7707, 0.2558,
0.2508


 18.3736, 0.1832,
0.1619


 56.5860, 0.2182,
0.2034

 11.2186, 0.1659,
0.1422


 76.1871, 0.2262,
0.2132

 6.2140, 0.1443,
0.1185


 99.8608, 0.2330,
0.2217

 2.9757, 0.1171,
0.0901

 127.9914, 0.2388,
0.2291

 1.1190, 0.0835,
0.0574

160.9633, 0.2439,
0.2355

 0.0000, 0.0398,
0.0000

199.1609, 0.2484,

 0.0000, 0.0000,

0.2412

0.0000

242.9685, 0.2523,
0.2462

■ 28.0636, 0.1972,
0.1782

■ 28.0636, 0.1972,
0.1782

■ 22.5382, 0.1833,
0.1533

■ 34.7676, 0.2133,
0.2039

■ 18.1053, 0.1722,
0.1304

■ 42.7213, 0.2308,
0.2293

■ 14.6629, 0.1644,
0.1105

■ 51.9926, 0.2488,
0.2537

■ 14.0154, 0.1629,
0.1065

■ 62.6431, 0.2668,
0.2765

■ 74.7302, 0.2841,
0.2972

■ 88.3078, 0.3006,
0.3159

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



28.0636, 0.1528, 0.1877



28.0636, 0.1972, 0.1782



28.0636, 0.2777, 0.1971

Triad

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



28.0636, 0.1972, 0.1782



28.0636, 0.5198, 0.3700



28.0636, 0.2255, 0.4483

Complementary

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



28.0636, 0.1972, 0.1782



61.3733, 0.4451, 0.4370

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.



28.0636, 0.3168, 0.5246



28.0636, 0.1972, 0.1782



28.0636, 0.4880, 0.4432

Square

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



28.0636, 0.1972, 0.1782



28.0636, 0.4830, 0.3011



28.0636, 0.4119, 0.5087



28.0636, 0.1639, 0.3252

Rectangle

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



28.0636, 0.1972, 0.1782



28.0636, 0.3487, 0.2236



28.0636, 0.4119, 0.5087



28.0636, 0.2538, 0.4834

Sweetspot

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



28.0645, 0.1972, 0.1782



71.9701, 0.2804, 0.2929



77.2163, 0.2582, 0.4067



14.6649, 0.2755, 0.2871



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.



28.0645, 0.1972, 0.1782



21.0128, 0.1794, 0.1457



16.4550, 0.1946, 0.1175



18.3894, 0.2979, 0.3129



7.5725, 0.1637, 0.1094



0.9306, 0.1700, 0.1318

Inverse Universe

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



29.2253, 0.4605, 0.2743



24.7388, 0.5063, 0.2744



88.7778, 0.3870, 0.4936



18.0892, 0.3240, 0.3209



11.4924, 0.5619, 0.2869



1.1385, 0.5302, 0.2694

Previews

White Background



This preview shows how the Yxy color 28.0636, 0.1972, 0.1782 looks on a white background.

Color Contrast Check

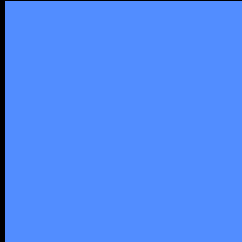
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0636, 0.1972, 0.1782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

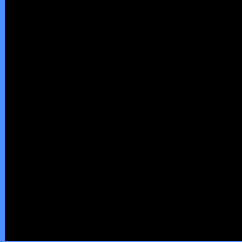
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

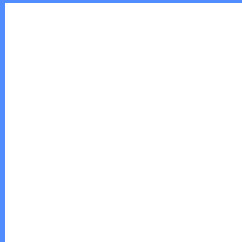
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0636, 0.1972, 0.1782

Background



This preview shows how black text looks on a background with the Yxy color 28.0636, 0.1972, 0.1782.



This preview shows how white text looks on a background with the Yxy color 28.0636, 0.1972, 0.1782.

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

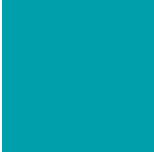
28.0636, 0.1972, 0.1782

Protanopia

28.1361, 0.2008, 0.1789

Deuteranopia

28.2714, 0.1885, 0.1822



Tritanopia

27.7748, 0.2182, 0.3053

Trichromacy



Original Color

28.0636, 0.1972, 0.1782

Protanomaly

27.9866, 0.1996, 0.1785

Deuteranomaly

28.0018, 0.1907, 0.1804

Tritanomaly

26.9968, 0.2051, 0.2469

Monochromacy



Original Color

28.0636, 0.1972, 0.1782

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.1446, 0.2550, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0636, 0.1972, 0.1782 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(82, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 141, 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(82, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 141, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.0636, 0.1972, 0.1782 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(82, 141, 255) }
```

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

```
.border{ border-color:rgb(82, 141, 255) }
```

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

Here you see how a box with a 4 pixel rgb(82, 141, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 141,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0636, 0.1972, 0.1782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 141, 255) }
```

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

```
.background{ background-color: rgb(82, 141,  
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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