

Converting Colors

$Y_{xy}(28.6587, 0.2082, 0.2153)$

Have a look what the booklet for
Yxy(28.6587, 0.2082, 0.2153)
contains.

Yxy(28.6187, 0.2080, 0.2151)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6187, 0.2080, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	4D95E3
RGB	77, 149, 227
RGB Percent	30%, 58%, 89%
CMY	0.6981, 0.4157, 0.1097
CMYK	0.66, 0.34, 0.00, 0.11
HSL	211°, 73%, 60%
HSV	211°, 66%, 89%
XYZ	27.6741, 28.6187, 76.7556
YIQ	136.3640, -67.9500, 8.9940

Conversions

Conversions Part 2

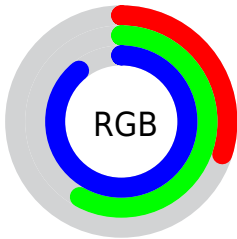
Format	Color
RYB	77, 126, 227
Decimal	5084643
CIELab	60.44, 1.90, -46.20
CIElCh	60, 46.237, 272.353
Yxy	28.6187, 0.2080, 0.2151
Android (android.graphics.Color)	4283274723 (0xFF4D95E3)
YUV	136.3640, 44.6835, -52.0622
Hunter-Lab	53.4964, -1.2796, -47.6205

Details

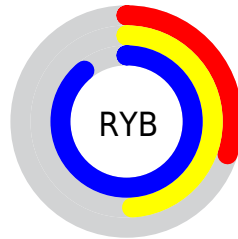
The Yxy color **28.6187, 0.2080, 0.2151** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **40.3144, 0.4589, 0.4135**, and the grayscale version is **24.6113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4208, 0.2405, 0.2663**, and **11.8640, 0.1849, 0.1857** is the 20% darker color. If you saturate the color by 10%, you get **24.2865, 0.1954, 0.1947**, and if you desaturate by 10%, it is **33.6609, 0.2224, 0.2354**.

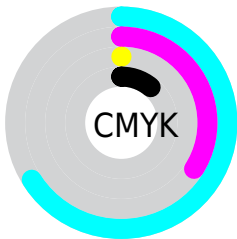
Distribution



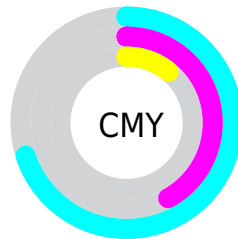
- Red (30%)
- Green (58%)
- Blue (89%)



- Red (30%)
- Yellow (49%)
- Blue (89%)



- Cyan (66%)
- Magenta (34%)
- Yellow (0%)
- Black (11%)



- Cyan (70%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6187, 0.2080, 0.2151 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 28.6187, 0.2080, 0.2151 by changing the saturation by 10% instead.

■ 28.6187, 0.2080,
0.2151

■ 28.6187, 0.2080,
0.2151

■ 295.4116, 0.2616,
0.2731

■ 18.7926, 0.1947,
0.2009

■ 57.4707, 0.2275,
0.2361

■ 11.5205, 0.1780,
0.1830

■ 77.2654, 0.2348,
0.2440

■ 6.4181, 0.1565,
0.1601

■ 101.1517, 0.2410,
0.2508

■ 3.1009, 0.1284,
0.1303

■ 129.5140, 0.2464,
0.2565

■ 1.1846, 0.0918,
0.0919

■ 162.7368, 0.2510,
0.2615

■ 0.0491, 0.0161,
0.0085

■ 201.2044, 0.2550,

■ 0.0000, 0.0000,

0.2658

0.0000

245.3012, 0.2585,
0.2697

■ 28.6187, 0.2080,
0.2151

■ 28.6187, 0.2080,
0.2151

■ 24.2865, 0.1954,
0.1947

■ 33.6609, 0.2224,
0.2354

■ 20.6140, 0.1851,
0.1747

■ 39.4517, 0.2381,
0.2551

■ 17.5459, 0.1773,
0.1559

■ 46.0297, 0.2545,
0.2738

■ 16.4785, 0.1747,
0.1489

■ 53.4296, 0.2711,
0.2911

■ 61.6835, 0.2875,
0.3068

■ 70.8217, 0.3034,
0.3211

■ 80.8727, 0.3186,
0.3338

■ 91.1746, 0.3305,
0.3452

■ 98.3274, 0.3291,
0.3562

Harmonies

Analogous

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



28.6187, 0.1837, 0.2365



28.6187, 0.2080, 0.2151



28.6187, 0.2594, 0.2196

Triad

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



28.6187, 0.2080, 0.2151



28.6187, 0.4565, 0.3432



28.6187, 0.2803, 0.4391

Complementary

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



28.6187, 0.2080, 0.2151



40.3144, 0.4589, 0.4135

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.



28.6187, 0.3528, 0.4692



28.6187, 0.2080, 0.2151



28.6187, 0.4585, 0.3992

Square

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



28.6187, 0.2080, 0.2151



28.6187, 0.4082, 0.2897



28.6187, 0.4184, 0.4479



28.6187, 0.2204, 0.3649

Rectangle

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



28.6187, 0.2080, 0.2151



28.6187, 0.3065, 0.2351



28.6187, 0.4184, 0.4479



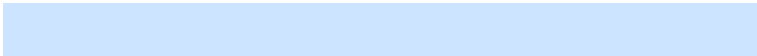
28.6187, 0.3040, 0.4554

Sweetspot

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



28.6197, 0.2080, 0.2151



75.8086, 0.2809, 0.3007



58.8785, 0.2687, 0.4344



15.5789, 0.2763, 0.2962



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.



28.6197, 0.2080, 0.2151



29.8830, 0.1916, 0.1878



12.5354, 0.1860, 0.1178



15.0229, 0.2981, 0.3165



9.8390, 0.1755, 0.1516



0.9122, 0.1830, 0.1787

Inverse Universe

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



23.8099, 0.4207, 0.2519



26.0666, 0.4552, 0.2469



71.4183, 0.4014, 0.4800



14.4827, 0.3217, 0.3178



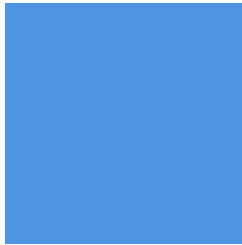
10.1910, 0.5039, 0.2549



0.7718, 0.4701, 0.2363

Previews

White Background



This preview shows how the Yxy color 28.6187, 0.2080, 0.2151 looks on a white background.

Color Contrast Check

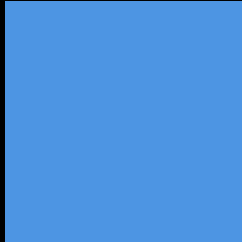
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6187, 0.2080, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

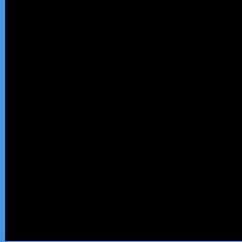
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

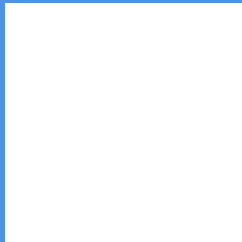
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6187, 0.2080, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 28.6187, 0.2080, 0.2151.



This preview shows how white text looks on a background with the Yxy color 28.6187, 0.2080, 0.2151.

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

28.6187, 0.2080, 0.2151

Protanopia

28.3484, 0.2300, 0.2169

Deuteranopia

28.5616, 0.2172, 0.2111



Tritanopia

28.6942, 0.2255, 0.3059

Trichromacy



Original Color

28.6187, 0.2080, 0.2151

Protanomaly

28.4033, 0.2206, 0.2167

Deuteranomaly

28.4345, 0.2133, 0.2114

Tritanomaly

28.4679, 0.2177, 0.2677

Monochromacy



Original Color

28.6187, 0.2080, 0.2151

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.5592, 0.2624, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6187, 0.2080, 0.2151 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(77, 149, 227)` looks like.

```
.text, #text, p{  
    color:rgb(77, 149, 227)  
}
```

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(77, 149, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 149, 227) }
```

Border

The CSS property to change the border of an element to Yxy 28.6187, 0.2080, 0.2151 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(77, 149, 227) }
```

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

```
.border{ border-color:rgb(77, 149, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 149, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 149, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 149, 227); box-shadow:4px 4px 4px 4px rgb(77, 149, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6187, 0.2080, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 149, 227) }
```

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

```
.background{ background-color: rgb(77, 149,  
227) }
```

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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