

Converting Colors

$Y_{xy}(28.9420, 0.2014, 0.2045)$

Have a look what the booklet for
Yxy(28.9420, 0.2014, 0.2045)
contains.

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Color

Yxy(28.8745, 0.2012, 0.2040)

Conversions

Conversions Part 1

Format	Color
Hex	4595ED
RGB	69, 149, 237
RGB Percent	27%, 58%, 93%
CMY	0.7300, 0.4156, 0.0706
CMYK	0.71, 0.37, 0.00, 0.07
HSL	211°, 82%, 60%
HSV	211°, 71%, 93%
XYZ	28.4782, 28.8745, 84.1890
YIQ	135.1120, -75.9280, 10.4080

Conversions

Conversions Part 2

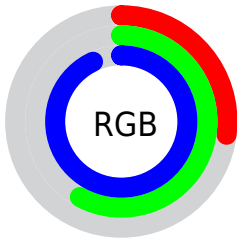
Format	Color
R _Y B	69, 123, 237
Decimal	4560365
CIE Lab	60.67, 4.10, -51.38
CIE LCh	61, 51.540, 274.561
Yxy	28.8745, 0.2012, 0.2040
Android (android.graphics.Color)	4282750445 (0xFF4595ED)
YUV	135.1120, 50.2308, -57.9802
Hunter-Lab	53.7350, 0.5642, -55.2778

Details

The Yxy color **28.8745, 0.2012, 0.2040** 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 **42.4828, 0.4718, 0.4174**, and the grayscale version is **24.0898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0828, 0.2385, 0.2660**, and **12.2599, 0.1817, 0.1740** is the 20% darker color. If you saturate the color by 10%, you get **24.4596, 0.1896, 0.1836**, and if you desaturate by 10%, it is **34.0545, 0.2149, 0.2246**.

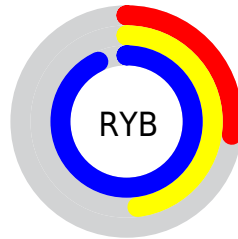
Distribution



Red (27%)

Green (58%)

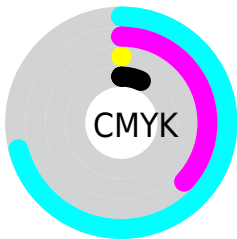
Blue (93%)



Red (27%)

Yellow (48%)

Blue (93%)

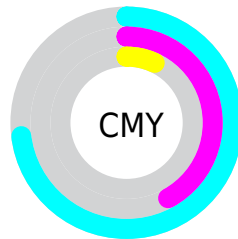


Cyan (71%)

Magenta (37%)

Yellow (0%)

Black (7%)



Cyan (73%)

Magenta (42%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8745, 0.2012, 0.2040 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 28.8745, 0.2012, 0.2040 by changing the saturation by 10% instead.

■ 28.8745, 0.2012,
0.2040

■ 28.8745, 0.2012,
0.2040

■ 296.6224, 0.2578,
0.2666

■ 18.9859, 0.1875,
0.1890

■ 57.8776, 0.2216,
0.2264

■ 11.6601, 0.1703,
0.1704

■ 77.7610, 0.2293,
0.2350

■ 6.5127, 0.1485,
0.1471

■ 101.7446, 0.2359,
0.2422

■ 3.1592, 0.1206,
0.1175

■ 130.2131, 0.2415,
0.2485

■ 1.2154, 0.0852,
0.0807

■ 163.5507, 0.2464,
0.2539

■ 0.0743, 0.0236,
0.0102

■ 202.1418, 0.2507,

■ 0.0000, 0.0000,

0.2587

0.0000

246.3709, 0.2545,
0.2629

■ 28.8745, 0.2012,
0.2040

■ 28.8745, 0.2012,
0.2040

■ 24.4596, 0.1896,
0.1836

■ 34.0545, 0.2149,
0.2246

■ 20.7500, 0.1805,
0.1640

■ 40.0462, 0.2301,
0.2449

■ 17.9258, 0.1743,
0.1474

■ 46.8945, 0.2462,
0.2643

■ 54.6395, 0.2629,
0.2824

■ 63.3186, 0.2795,
0.2991

■ 72.9665, 0.2957,
0.3142

■ 83.6160, 0.3113,
0.3278

■ 94.6403, 0.3238,
0.3399

■ 98.8942, 0.3232,
0.3464

Harmonies

Analogous

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



28.8745, 0.1730, 0.2240



28.8745, 0.2012, 0.2040



28.8745, 0.2588, 0.2111

Triad

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



28.8745, 0.2012, 0.2040



28.8745, 0.4742, 0.3472



28.8745, 0.2702, 0.4482

Complementary

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



28.8745, 0.2012, 0.2040



42.4828, 0.4718, 0.4174

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.



28.8745, 0.3493, 0.4853



28.8745, 0.2012, 0.2040



28.8745, 0.4711, 0.4080

Square

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



28.8745, 0.2012, 0.2040



28.8745, 0.4241, 0.2893



28.8745, 0.4230, 0.4620



28.8745, 0.2070, 0.3616

Rectangle

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



28.8745, 0.2012, 0.2040



28.8745, 0.3116, 0.2290



28.8745, 0.4230, 0.4620



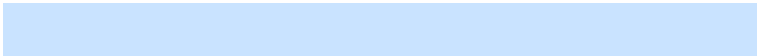
28.8745, 0.2959, 0.4679

Sweetspot

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



28.8754, 0.2012, 0.2040



74.6295, 0.2792, 0.2989



64.2160, 0.2677, 0.4441



15.3424, 0.2747, 0.2944



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.



28.8754, 0.2012, 0.2040



26.8648, 0.1853, 0.1749



11.7150, 0.1773, 0.1036



15.7338, 0.2981, 0.3164



10.0466, 0.1751, 0.1504



0.9805, 0.1823, 0.1762

Inverse Universe

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



24.4111, 0.4343, 0.2496



24.6033, 0.4721, 0.2482



78.5185, 0.4054, 0.4871



15.1737, 0.3218, 0.3178



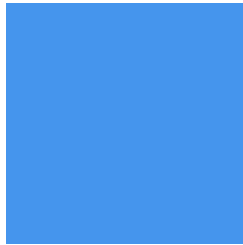
10.5070, 0.5054, 0.2558



0.8444, 0.4731, 0.2380

Previews

White Background



This preview shows how the Yxy color 28.8745, 0.2012, 0.2040 looks on a white background.

Color Contrast Check

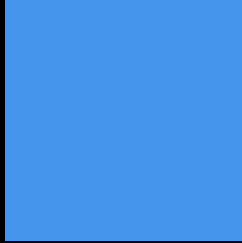
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8745, 0.2012, 0.2040 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

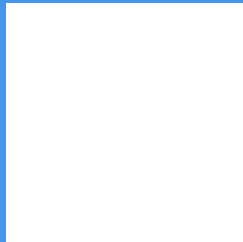
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8745, 0.2012, 0.2040

Background



This preview shows how black text looks on a background with the Yxy color 28.8745, 0.2012, 0.2040.



This preview shows how white text looks on a background with the Yxy color 28.8745, 0.2012, 0.2040.

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

28.8745, 0.2012, 0.2040

Protanopia

28.5603, 0.2217, 0.2057

Deuteranopia

28.8055, 0.2073, 0.2008



Tritanopia

28.9358, 0.2183, 0.3057

Trichromacy



Original Color

28.8745, 0.2012, 0.2040

Protanomaly

28.6208, 0.2129, 0.2054

Deuteranomaly

28.7898, 0.2047, 0.2014

Tritanomaly

28.3978, 0.2083, 0.2611

Monochromacy



Original Color

28.8745, 0.2012, 0.2040

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1142, 0.2565, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8745, 0.2012, 0.2040 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(69, 149, 237)` looks like.

```
.text, #text, p{  
    color:rgb(69, 149, 237)  
}
```

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(69, 149, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 149, 237) }
```

Border

The CSS property to change the border of an element to Yxy 28.8745, 0.2012, 0.2040 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(69, 149, 237) }
```

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

```
.border{ border-color:rgb(69, 149, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 149, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 149, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 149, 237);  
box-shadow:4px 4px 4px 4px rgb(69, 149,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8745, 0.2012, 0.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 149, 237) }
```

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

```
.background{ background-color: rgb(69, 149,  
237) }
```

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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