

Converting Colors

$Y_{xy}(30.3650, 0.2144, 0.2070)$

Have a look what the booklet for
Yxy(30.3650, 0.2144, 0.2070)
contains.

Yxy(30.4346, 0.2145, 0.2069)	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(30.4346, 0.2145, 0.2069)

Conversions

Conversions Part 1

Format	Color
Hex	6595EE
RGB	101, 149, 238
RGB Percent	40%, 58%, 93%
CMY	0.6037, 0.4157, 0.0666
CMYK	0.58, 0.37, 0.00, 0.07
HSL	219°, 80%, 66%
HSV	219°, 58%, 93%
XYZ	31.5525, 30.4346, 85.1110
YIQ	144.7940, -57.1770, 17.5030

Conversions

Conversions Part 2

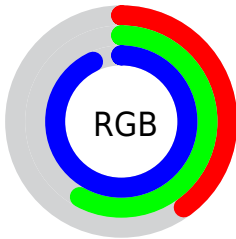
Format	Color
R _Y B	101, 137, 238
Decimal	6657518
CIE Lab	62.03, 9.88, -49.70
CIE LCh	62, 50.678, 281.244
Yxy	30.4346, 0.2145, 0.2069
Android (android.graphics.Color)	4284847598 (0xFF6595EE)
YUV	144.7940, 45.9506, -38.4073
Hunter-Lab	55.1676, 5.5481, -52.8537

Details

The Yxy color **30.4346, 0.2145, 0.2069** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **55.9819, 0.4239, 0.4234**, and the grayscale version is **28.0602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5089, 0.2523, 0.2681**, and **12.5771, 0.1867, 0.1747** is the 20% darker color. If you saturate the color by 10%, you get **24.6798, 0.1985, 0.1816**, and if you desaturate by 10%, it is **37.2395, 0.2318, 0.2319**.

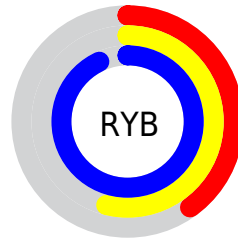
Distribution



Red (40%)

Green (58%)

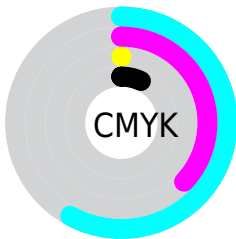
Blue (93%)



Red (40%)

Yellow (54%)

Blue (93%)

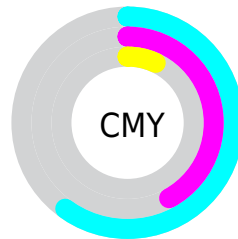


Cyan (58%)

Magenta (37%)

Yellow (0%)

Black (7%)



Cyan (60%)


Magenta (42%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4346, 0.2145, 0.2069 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 30.4346, 0.2145, 0.2069 by changing the saturation by 10% instead.


 30.4346, 0.2145,
0.2069


 30.4346, 0.2145,
0.2069


303.9250, 0.2646,
0.2673


 20.1687, 0.2022,
0.1926


 60.3488, 0.2327,
0.2284


 12.5177, 0.1867,
0.1749

 80.7659, 0.2395,
0.2366

 7.0973, 0.1668,
0.1526


 105.3355, 0.2453,
0.2436

 3.5230, 0.1407,
0.1242

 134.4420, 0.2503,
0.2497

 1.4105, 0.1066,
0.0886

168.4698, 0.2546,
0.2550

 0.2244, 0.0579,
0.0286

207.8033, 0.2584,

 0.0000, 0.0000,

0.2596

0.0000

252.8269, 0.2617,
0.2637

■ 30.4346, 0.2145,
0.2069

■ 30.4346, 0.2145,
0.2069

■ 24.6798, 0.1985,
0.1816

■ 37.2395, 0.2318,
0.2319

■ 19.9113, 0.1846,
0.1570

■ 45.1467, 0.2497,
0.2558

■ 16.0612, 0.1735,
0.1341

■ 54.2081, 0.2675,
0.2780


■ 13.0452, 0.1654,
0.1140

■ 64.4711, 0.2847,
0.2983

■ 12.4069, 0.1638,
0.1095

■ 75.9804, 0.3011,
0.3166

 88.7782, 0.3164,
0.3328

 98.9539, 0.3226,
0.3454

Harmonies

Analogous

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



30.4346, 0.1805, 0.2204



30.4346, 0.2145, 0.2069



30.4346, 0.2767, 0.2191

Triad

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



30.4346, 0.2145, 0.2069



30.4346, 0.4728, 0.3605



30.4346, 0.2562, 0.4277

Complementary

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



30.4346, 0.2145, 0.2069



55.9819, 0.4239, 0.4234

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.



30.4346, 0.3314, 0.4772



30.4346, 0.2145, 0.2069



30.4346, 0.4592, 0.4192

Square

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



30.4346, 0.2145, 0.2069



30.4346, 0.4351, 0.3027



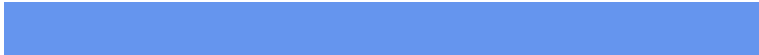
30.4346, 0.4057, 0.4668



30.4346, 0.2004, 0.3407

Rectangle

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



30.4346, 0.2145, 0.2069



30.4346, 0.3304, 0.2396



30.4346, 0.4057, 0.4668



30.4346, 0.2800, 0.4506

Sweetspot

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



30.4356, 0.2145, 0.2069



76.0060, 0.2855, 0.2993



67.6486, 0.2626, 0.3925



15.7226, 0.2821, 0.2953



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.



30.4356, 0.2145, 0.2069



27.8256, 0.1959, 0.1773



19.6005, 0.2144, 0.1498



16.1336, 0.2980, 0.3132



7.1400, 0.1646, 0.1123



0.7740, 0.1718, 0.1385

Inverse Universe

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



29.6675, 0.4247, 0.2778



28.7713, 0.4622, 0.2724



76.9222, 0.3795, 0.4733



15.8502, 0.3238, 0.3208



10.5141, 0.5576, 0.2845



0.8929, 0.5211, 0.2644

Previews

White Background



This preview shows how the Yxy color 30.4346, 0.2145, 0.2069 looks on a white background.

Color Contrast Check

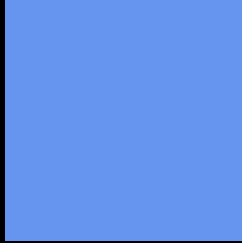
Large Text (above 18pt) WCAG AA × Fail

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 30.4346, 0.2145, 0.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

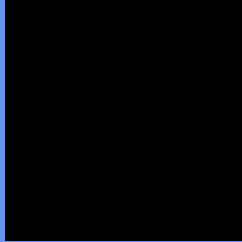
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

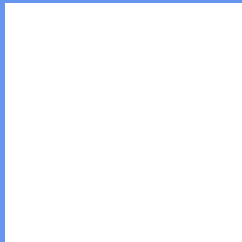
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.4346, 0.2145, 0.2069

Background



This preview shows how black text looks on a background with the Yxy color 30.4346, 0.2145, 0.2069.



This preview shows how white text looks on a background with the Yxy color 30.4346, 0.2145, 0.2069.

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

30.4346, 0.2145, 0.2069

Protanopia

30.3269, 0.2228, 0.2071

Deuteranopia

30.3206, 0.2135, 0.2066



Tritanopia

30.4317, 0.2375, 0.3068

Trichromacy



Original Color

30.4346, 0.2145, 0.2069

Protanomaly

30.3614, 0.2197, 0.2067

Deuteranomaly

30.3773, 0.2140, 0.2068

Tritanomaly

30.0760, 0.2276, 0.2642

Monochromacy



Original Color

30.4346, 0.2145, 0.2069

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4796, 0.2676, 0.2775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4346, 0.2145, 0.2069 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(101, 149, 238)` looks like.

```
.text, #text, p{  
    color:rgb(101, 149, 238)  
}
```

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(101, 149, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 149, 238) }
```

Border

The CSS property to change the border of an element to Yxy 30.4346, 0.2145, 0.2069 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(101, 149, 238) }
```

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

```
.border{ border-color:rgb(101, 149, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 149, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 149, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 149, 238);  
box-shadow:4px 4px 4px 4px rgb(101, 149,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4346, 0.2145, 0.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 149, 238) }
```

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

```
.background{ background-color: rgb(101,  
149, 238) }
```

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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