

Converting Colors

$Y_{xy}(34.8575, 0.2010, 0.2072)$

Have a look what the booklet for
Yxy(34.8575, 0.2010, 0.2072)
contains.

Yxy(34.7540, 0.2008, 0.2068)	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(34.7540, 0.2008, 0.2068)

Conversions

Conversions Part 1

Format	Color
Hex	47A3FF
RGB	71, 163, 255
RGB Percent	28%, 64%, 100%
CMY	0.7217, 0.3608, 0.0000
CMYK	0.72, 0.36, 0.00, 0.00
HSL	210°, 100%, 64%
HSV	210°, 72%, 100%
XYZ	33.7457, 34.7540, 99.5564
YIQ	145.9800, -84.3640, 9.1080

Conversions

Conversions Part 2

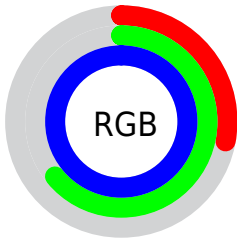
Format	Color
RYB	71, 132, 255
Decimal	4695039
CIELab	65.56, 2.51, -53.50
CIElCh	66, 53.562, 272.687
Yxy	34.7540, 0.2008, 0.2068
Android (android.graphics.Color)	4282885119 (0xFF47A3FF)
YUV	145.9800, 53.7469, -65.7575
Hunter-Lab	58.9525, -0.9898, -58.8596

Details

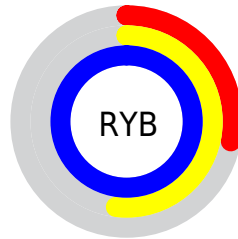
The Yxy color **34.7540, 0.2008, 0.2068** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **47.8926, 0.4797, 0.4142**, and the grayscale version is **28.5330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9383, 0.2443, 0.2851**, and **15.6656, 0.1832, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **29.6831, 0.1899, 0.1872**, and if you desaturate by 10%, it is **40.6844, 0.2139, 0.2266**.

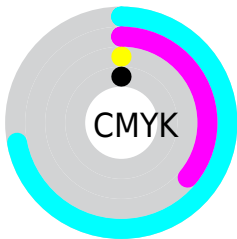
Distribution



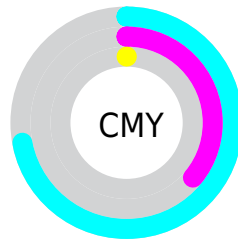
- Red (28%)
- Green (64%)
- Blue (100%)



- Red (28%)
- Yellow (52%)
- Blue (100%)



- Cyan (72%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7540, 0.2008, 0.2068 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 34.7540, 0.2008, 0.2068 by changing the saturation by 10% instead.

 34.7540, 0.2008,
0.2068


 34.7540, 0.2008,
0.2068


323.4812, 0.2558,
0.2664


 23.4734, 0.1879,
0.1930


 67.1045, 0.2203,
0.2278


 14.9435, 0.1720,
0.1760


 88.9432, 0.2277,
0.2359

 8.7797, 0.1522,
0.1548


 115.0701, 0.2341,
0.2428

 4.5978, 0.1272,
0.1283

 145.8696, 0.2397,
0.2488

 2.0133, 0.0956,
0.0952

181.7261, 0.2445,
0.2541

 0.6152, 0.0566,
0.0539

223.0239, 0.2487,

 0.0000, 0.0000,

0.2587

0.0000

270.1474, 0.2525,
0.2628

■ 34.7540, 0.2008,
0.2068

■ 34.7540, 0.2008,
0.2068

■ 29.6831, 0.1899,
0.1872

■ 40.6844, 0.2139,
0.2266

■ 25.4050, 0.1814,
0.1684

■ 47.5335, 0.2286,
0.2461

■ 22.5370, 0.1763,
0.1545

■ 55.3523, 0.2445,
0.2648

■ 64.1874, 0.2609,
0.2823

■ 74.0822, 0.2774,
0.2985

■ 85.0768, 0.2937,
0.3131

■ 97.2091, 0.3094,
0.3263

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.7540, 0.1748, 0.2285



34.7540, 0.2008, 0.2068



34.7540, 0.2557, 0.2122

Triad

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



34.7540, 0.2008, 0.2068



34.7540, 0.4690, 0.3436



34.7540, 0.2760, 0.4492

Complementary

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



34.7540, 0.2008, 0.2068



47.8926, 0.4797, 0.4142

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.



34.7540, 0.3538, 0.4817



34.7540, 0.2008, 0.2068



34.7540, 0.4695, 0.4033

Square

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



34.7540, 0.2008, 0.2068



34.7540, 0.4171, 0.2869



34.7540, 0.4249, 0.4568



34.7540, 0.2124, 0.3666

Rectangle

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



34.7540, 0.2008, 0.2068



34.7540, 0.3065, 0.2288



34.7540, 0.4249, 0.4568



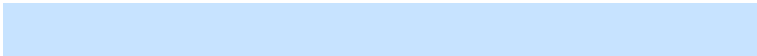
34.7540, 0.3014, 0.4672

Sweetspot

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



34.7536, 0.2008, 0.2068



74.2633, 0.2777, 0.2987



75.3930, 0.2700, 0.4555



15.2971, 0.2732, 0.2945



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.



34.7536, 0.2008, 0.2068



27.5240, 0.1854, 0.1780



13.4589, 0.1743, 0.1015



18.8788, 0.2979, 0.3168



12.0747, 0.1771, 0.1574



1.3941, 0.1828, 0.1780

Inverse Universe

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



28.4056, 0.4319, 0.2449



24.3729, 0.4689, 0.2441



91.2929, 0.4105, 0.4857



18.1386, 0.3215, 0.3172



11.9469, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 34.7540, 0.2008, 0.2068 looks on a white background.

Color Contrast Check

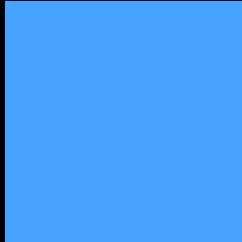
Large Text (above 18pt) WCAG AA × Fail

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 34.7540, 0.2008, 0.2068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

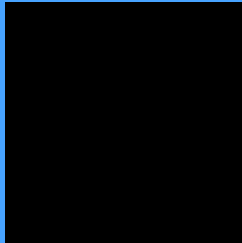
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

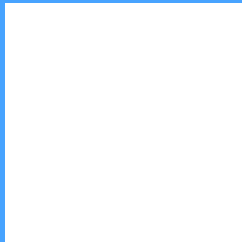
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7540, 0.2008, 0.2068

Background



This preview shows how black text looks on a background with the Yxy color 34.7540, 0.2008, 0.2068.



This preview shows how white text looks on a background with the Yxy color 34.7540, 0.2008, 0.2068.

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

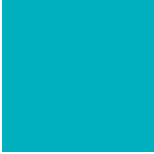
34.7540, 0.2008, 0.2068

Protanopia

34.5051, 0.2241, 0.2091

Deuteranopia

34.7256, 0.2102, 0.2044



Tritanopia

34.7684, 0.2183, 0.3058

Trichromacy



Original Color

34.7540, 0.2008, 0.2068

Protanomaly

34.4220, 0.2137, 0.2075

Deuteranomaly

34.4855, 0.2060, 0.2045

Tritanomaly

34.2005, 0.2085, 0.2628

Monochromacy



Original Color

34.7540, 0.2008, 0.2068

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.9236, 0.2555, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7540, 0.2008, 0.2068 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(71, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 163, 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(71, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.7540, 0.2008, 0.2068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

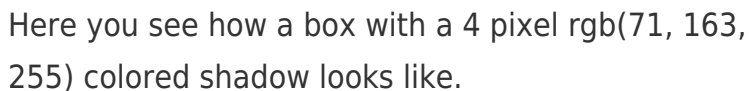
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 163, 255) }
```

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

```
.border{ border-color:rgb(71, 163, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 163, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 163, 255); box-shadow:4px 4px 4px 4px rgb(71, 163, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7540, 0.2008, 0.2068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 163, 255) }
```

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

```
.background{ background-color: rgb(71, 163,  
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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