

Converting Colors

$Y_{xy}(34.4523, 0.1961, 0.2067)$

Have a look what the booklet for
Yxy(34.4523, 0.1961, 0.2067)
contains.

Yxy(34.4747, 0.1961, 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(34.4747, 0.1961, 0.2068)

Conversions

Conversions Part 1

Format	Color
Hex	33A4FF
RGB	51, 164, 255
RGB Percent	20%, 64%, 100%
CMY	0.7999, 0.3569, 0.0000
CMYK	0.80, 0.36, 0.00, 0.00
HSL	207°, 100%, 60%
HSV	207°, 80%, 100%
XYZ	32.6910, 34.4747, 99.5399
YIQ	140.5870, -96.5590, 4.3450

Conversions

Conversions Part 2

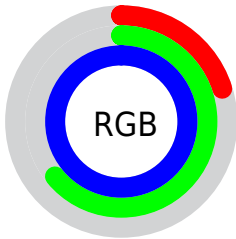
Format	Color
R _Y B	51, 124, 255
Decimal	3384575
CIE Lab	65.34, -0.27, -53.87
CIE LCh	65, 53.871, 269.711
Yxy	34.4747, 0.1961, 0.2068
Android (android.graphics.Color)	4281574655 (0xFF33A4FF)
YUV	140.5870, 56.4056, -78.5678
Hunter-Lab	58.7152, -3.3677, -59.4138

Details

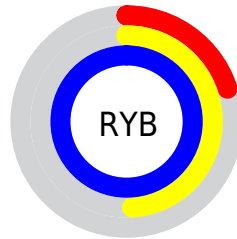
The Yxy color **34.4747, 0.1961, 0.2068** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **40.8516, 0.5117, 0.4058**, and the grayscale version is **26.2730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4722, 0.2391, 0.2857**, and **15.8875, 0.1837, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **30.0932, 0.1877, 0.1896**, and if you desaturate by 10%, it is **39.5850, 0.2068, 0.2244**.

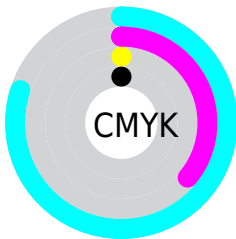
Distribution



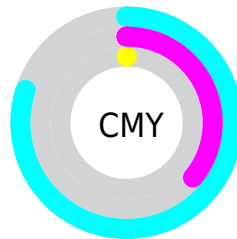
- Red (20%)
- Green (64%)
- Blue (100%)



- Red (20%)
- Yellow (49%)
- Blue (100%)



- Cyan (80%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4747, 0.1961, 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 34.4747, 0.1961, 0.2068 by changing the saturation by 10% instead.


 34.4747, 0.1961,
0.2068


 34.4747, 0.1961,
0.2068

322.2436, 0.2532,
0.2667


 23.2585, 0.1828,
0.1928


 66.6712, 0.2162,
0.2279


 14.7845, 0.1665,
0.1757


 88.4203, 0.2240,
0.2361

 8.6683, 0.1462,
0.1543


 114.4491, 0.2307,
0.2431

 4.5255, 0.1207,
0.1275

 145.1421, 0.2364,
0.2491

 1.9716, 0.0890,
0.0942

180.8837, 0.2414,
0.2544

 0.5909, 0.0492,
0.0524

222.0582, 0.2458,

 0.0000, 0.0000,

0.2590

0.0000

269.0500, 0.2498,
0.2631

■ 34.4747, 0.1961,
0.2068

■ 34.4747, 0.1961,
0.2068

■ 30.0932, 0.1877,
0.1896

■ 39.5850, 0.2068,
0.2244

■ 26.3434, 0.1814,
0.1731

■ 45.4821, 0.2195,
0.2420

■ 26.3403, 0.1814,
0.1731

■ 52.2196, 0.2337,
0.2591

■ 59.8439, 0.2491,
0.2754

■ 68.3973, 0.2650,
0.2907

■ 77.9190, 0.2812,
0.3048

■ 88.4453, 0.2972,
0.3175

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.



34.4747, 0.1728, 0.2316



34.4747, 0.1961, 0.2068



34.4747, 0.2485, 0.2098

Triad

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



34.4747, 0.1961, 0.2068



34.4747, 0.4673, 0.3376



34.4747, 0.2831, 0.4565

Complementary

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



34.4747, 0.1961, 0.2068



40.8516, 0.5117, 0.4058

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.



34.4747, 0.3618, 0.4827



34.4747, 0.1961, 0.2068



34.4747, 0.4730, 0.3978

Square

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



34.4747, 0.1961, 0.2068



34.4747, 0.4106, 0.2813



34.4747, 0.4317, 0.4531



34.4747, 0.2167, 0.3761

Rectangle

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



34.4747, 0.1961, 0.2068



34.4747, 0.2982, 0.2250



34.4747, 0.4317, 0.4531



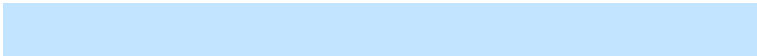
34.4747, 0.3090, 0.4725

Sweetspot

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



34.4757, 0.1961, 0.2068



73.9833, 0.2747, 0.2993



74.1006, 0.2740, 0.4856



15.1153, 0.2689, 0.2942



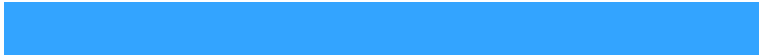
0.0000, 0.0000, 0.0000



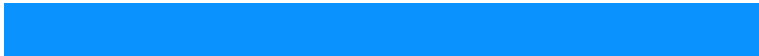
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.4757, 0.1961, 0.2068



27.7787, 0.1838, 0.1796



11.6616, 0.1654, 0.0906



19.0462, 0.2979, 0.3181



14.0661, 0.1822, 0.1758



1.5877, 0.1874, 0.1947

Inverse Universe

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



26.3100, 0.4346, 0.2327



23.5502, 0.4686, 0.2372



84.6478, 0.4227, 0.4874



18.1555, 0.3207, 0.3159



12.1479, 0.4736, 0.2383



1.2048, 0.4513, 0.2260

Previews

White Background



This preview shows how the Yxy color 34.4747, 0.1961, 0.2068 looks on a white background.

Color Contrast Check

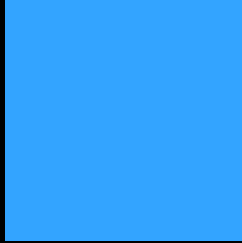
Large Text (above 18pt) WCAG AA × Fail

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 34.4747, 0.1961, 0.2068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

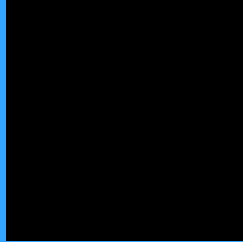
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

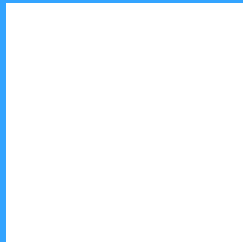
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.4747, 0.1961, 0.2068

Background



This preview shows how black text looks on a background with the Yxy color 34.4747, 0.1961, 0.2068.



This preview shows how white text looks on a background with the Yxy color 34.4747, 0.1961, 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

34.4747, 0.1961, 0.2068

Protanopia

33.9760, 0.2242, 0.2095

Deuteranopia

34.2704, 0.2090, 0.2028



Tritanopia

34.2908, 0.2187, 0.3072

Trichromacy



Original Color

34.4747, 0.1961, 0.2068

Protanomaly

33.8347, 0.2109, 0.2083

Deuteranomaly

34.1109, 0.2030, 0.2036

Tritanomaly

34.0177, 0.2084, 0.2654

Monochromacy



Original Color

34.4747, 0.1961, 0.2068

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.0604, 0.2493, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4747, 0.1961, 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(51, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 164, 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(51, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.4747, 0.1961, 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(51, 164, 255) }
```

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

```
.border{ border-color:rgb(51, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4747, 0.1961, 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(51, 164, 255) }
```

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

```
.background{ background-color: rgb(51, 164,  
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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