

Converting Colors

$Yxy(36.9604, 0.2043, 0.2149)$

Have a look what the booklet for
Yxy(36.9604, 0.2043, 0.2149)
contains.

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Color

Yxy(37.1324, 0.2044, 0.2155)

Conversions

Conversions Part 1

Format	Color
Hex	4CA9FF
RGB	76, 169, 255
RGB Percent	30%, 66%, 100%
CMY	0.7022, 0.3372, 0.0000
CMYK	0.70, 0.34, 0.00, 0.00
HSL	209°, 100%, 65%
HSV	209°, 70%, 100%
XYZ	35.2198, 37.1324, 99.9559
YIQ	150.9970, -83.0340, 7.0300

Conversions

Conversions Part 2

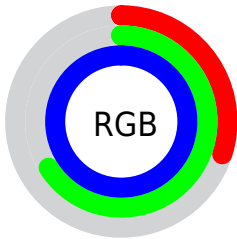
Format	Color
R_{YB}	76, 137, 255
Decimal	5024255
CIE Lab	67.38, -0.25, -50.63
CIE LCh	67, 50.626, 269.718
Yxy	37.1324, 0.2044, 0.2155
Android (android.graphics.Color)	4283214335 (0xFF4CA9FF)
YUV	150.9970, 51.2735, -65.7724
Hunter-Lab	60.9364, -3.4698, -54.5999

Details

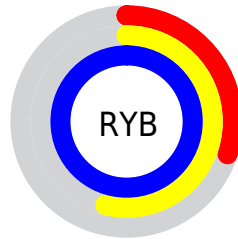
The Yxy color **37.1324, 0.2044, 0.2155** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **47.5990, 0.4774, 0.4098**, and the grayscale version is **30.7415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3709, 0.2470, 0.2926**, and **16.7998, 0.1857, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **31.9405, 0.1933, 0.1966**, and if you desaturate by 10%, it is **43.1612, 0.2176, 0.2345**.

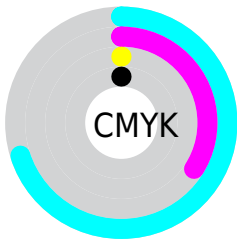
Distribution



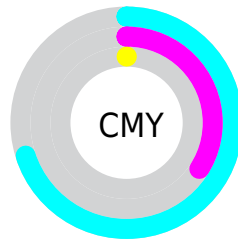
- Red (30%)
- Green (66%)
- Blue (100%)



- Red (30%)
- Yellow (54%)
- Blue (100%)



- Cyan (70%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1324, 0.2044, 0.2155 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 37.1324, 0.2044, 0.2155 by changing the saturation by 10% instead.


 37.1324, 0.2044,
0.2155

 37.1324, 0.2044,
0.2155


333.8834, 0.2573,
0.2710


 25.3100, 0.1921,
0.2026


 70.7764, 0.2231,
0.2351


 16.3082, 0.1769,
0.1866


 93.3667, 0.2302,
0.2426

 9.7425, 0.1578,
0.1666


 120.3152, 0.2364,
0.2491

 5.2286, 0.1337,
0.1412

 152.0063, 0.2417,
0.2546

 2.3820, 0.1030,
0.1090

188.8242, 0.2464,
0.2595

 0.8166, 0.0652,
0.0691

231.1534, 0.2504,

 0.0000, 0.0000,

0.2638

0.0000

279.3784, 0.2541,
0.2676

■ 37.1324, 0.2044,
0.2155

■ 37.1324, 0.2044,
0.2155

■ 31.9405, 0.1933,
0.1966

■ 43.1612, 0.2176,
0.2345

■ 27.5268, 0.1845,
0.1782

■ 50.0868, 0.2323,
0.2531

■ 23.8671, 0.1781,
0.1612

■ 57.9566, 0.2480,
0.2708

■ 66.8151, 0.2643,
0.2873

■ 76.7034, 0.2807,
0.3025

■ 87.6602, 0.2968,
0.3164

99.7215, 0.3124,
0.3287

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.



37.1324, 0.1824, 0.2394



37.1324, 0.2044, 0.2155



37.1324, 0.2536, 0.2179

Triad

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



37.1324, 0.2044, 0.2155



37.1324, 0.4546, 0.3383



37.1324, 0.2863, 0.4445

Complementary

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



37.1324, 0.2044, 0.2155



47.5990, 0.4774, 0.4098

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.



37.1324, 0.3593, 0.4697



37.1324, 0.2044, 0.2155



37.1324, 0.4607, 0.3945

Square

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



37.1324, 0.2044, 0.2155



37.1324, 0.4026, 0.2852



37.1324, 0.4236, 0.4447



37.1324, 0.2244, 0.3723

Rectangle

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



37.1324, 0.2044, 0.2155



37.1324, 0.2998, 0.2322



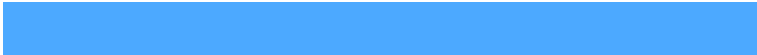
37.1324, 0.4236, 0.4447



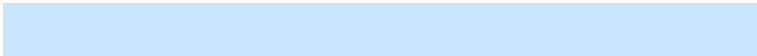
37.1324, 0.3104, 0.4593

Sweetspot

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



37.1307, 0.2044, 0.2155



75.8946, 0.2794, 0.3014



75.5746, 0.2715, 0.4557



15.6425, 0.2749, 0.2973



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.



37.1307, 0.2044, 0.2155



30.1849, 0.1897, 0.1896



14.7745, 0.1780, 0.1094



18.9397, 0.2979, 0.3173



12.7720, 0.1789, 0.1640



1.4624, 0.1845, 0.1840

Inverse Universe

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



29.2850, 0.4221, 0.2425



25.1032, 0.4548, 0.2393



89.5516, 0.4108, 0.4813



18.1448, 0.3212, 0.3167



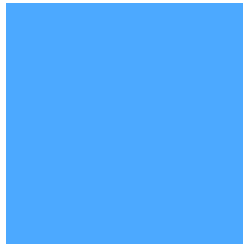
12.0173, 0.4881, 0.2462



1.1922, 0.4637, 0.2328

Previews

White Background



This preview shows how the Yxy color 37.1324, 0.2044, 0.2155 looks on a white background.

Color Contrast Check

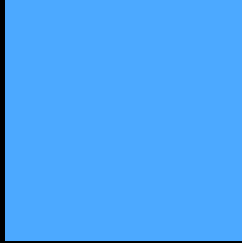
Large Text (above 18pt) WCAG AA × Fail

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 37.1324, 0.2044, 0.2155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

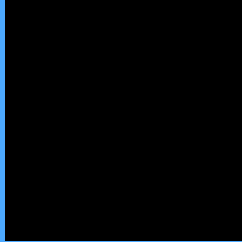
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

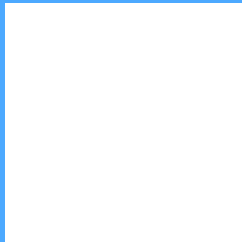
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1324, 0.2044, 0.2155

Background



This preview shows how black text looks on a background with the Yxy color 37.1324, 0.2044, 0.2155.

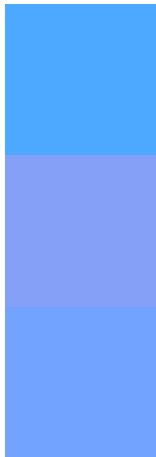


This preview shows how white text looks on a background with the Yxy color 37.1324, 0.2044, 0.2155.

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

37.1324, 0.2044, 0.2155

Protanopia

36.7625, 0.2305, 0.2179

Deuteranopia

36.9251, 0.2174, 0.2115



Tritanopia

37.2154, 0.2199, 0.3049

Trichromacy



Original Color

37.1324, 0.2044, 0.2155

Protanomaly

36.5413, 0.2190, 0.2161

Deuteranomaly

36.8396, 0.2120, 0.2125

Tritanomaly

36.9463, 0.2126, 0.2689

Monochromacy



Original Color

37.1324, 0.2044, 0.2155

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.4129, 0.2585, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1324, 0.2044, 0.2155 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(76, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 169, 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(76, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.1324, 0.2044, 0.2155 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(76, 169, 255) }
```

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

```
.border{ border-color:rgb(76, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1324, 0.2044, 0.2155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 169, 255) }
```

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

```
.background{ background-color: rgb(76, 169,  
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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