

Converting Colors

$Yxy(36.9286, 0.2013, 0.2046)$

Have a look what the booklet for
Yxy(36.9286, 0.2013, 0.2046)
contains.

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Color

Yxy(36.4352, 0.2041, 0.2129)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 4DA7FF |
| RGB | 77, 167, 255 |
| RGB Percent | 30%, 65%, 100% |
| CMY | 0.6977, 0.3451, 0.0001 |
| CMYK | 0.70, 0.35, 0.00, 0.00 |
| HSL | 210°, 100%, 65% |
| HSV | 210°, 70%, 100% |
| XYZ | 34.9292, 36.4352, 99.7732 |
| YIQ | 150.1220, -81.8880, 8.2880 |

Conversions

Conversions Part 2

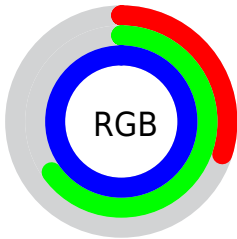
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 77, 137, 255 |
| Decimal | 5089279 |
| CIE _{Lab} | 66.85, 1.02, -51.41 |
| CIE _{LCh} | 67, 51.423, 271.141 |
| Yxy | 36.4352, 0.2041, 0.2129 |
| Android (android.graphics.Color) | 4283279359 (0xFF4DA7FF) |
| YUV | 150.1220, 51.7049, -64.1280 |
| Hunter-Lab | 60.3616, -2.3409, -55.7489 |

Details

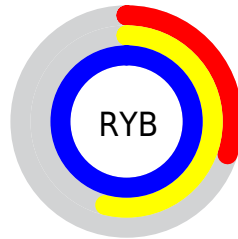
The Yxy color **36.4352, 0.2041, 0.2129** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **48.7184, 0.4739, 0.4120**, and the grayscale version is **30.3649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3918, 0.2470, 0.2902**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.1776, 0.1927, 0.1934**, and if you desaturate by 10%, it is **42.5611, 0.2176, 0.2325**.

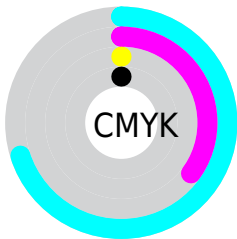
Distribution



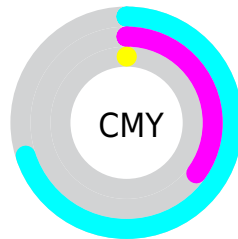
- Red (30%)
- Green (65%)
- Blue (100%)



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



- Cyan (70%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4352, 0.2041, 0.2129 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 36.4352, 0.2041, 0.2129 by changing the saturation by 10% instead.


 36.4352, 0.2041,
0.2129


 36.4352, 0.2041,
0.2129

330.8587, 0.2573,
0.2696

 24.7705, 0.1917,
0.1997


 69.7033, 0.2229,
0.2329

 15.9061, 0.1763,
0.1834


 92.0754, 0.2301,
0.2406

 9.4578, 0.1571,
0.1631

 118.7855, 0.2363,
0.2472

 5.0410, 0.1328,
0.1374

 150.2179, 0.2416,
0.2529

 2.2713, 0.1019,
0.1049

186.7570, 0.2463,
0.2579

 0.7585, 0.0638,
0.0648

228.7873, 0.2504,

 0.0000, 0.0000,

0.2622

0.0000

276.6931, 0.2540,
0.2661

■ 36.4352, 0.2041,
0.2129

■ 36.4352, 0.2041,
0.2129

■ 31.1776, 0.1927,
0.1934

■ 42.5611, 0.2176,
0.2325

■ 26.7202, 0.1836,
0.1745

■ 49.6073, 0.2325,
0.2516

■ 22.9683, 0.1769,
0.1567

■ 57.6249, 0.2485,
0.2698

■ 22.8881, 0.1768,
0.1563

■ 66.6592, 0.2649,
0.2868

■ 76.7522, 0.2814,
0.3024

■ 87.9433, 0.2975,
0.3166

99.9981, 0.3127,
0.3290

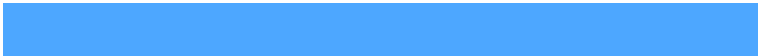
Harmonies

Analogous

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



36.4352, 0.1805, 0.2357



36.4352, 0.2041, 0.2129



36.4352, 0.2554, 0.2166

Triad

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



36.4352, 0.2041, 0.2129



36.4352, 0.4591, 0.3408



36.4352, 0.2821, 0.4447

Complementary

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



36.4352, 0.2041, 0.2129



48.7184, 0.4739, 0.4120

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.



36.4352, 0.3564, 0.4730



36.4352, 0.2041, 0.2129



36.4352, 0.4628, 0.3980

Square

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



36.4352, 0.2041, 0.2129



36.4352, 0.4079, 0.2867



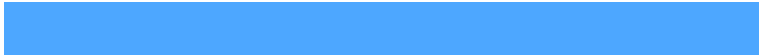
36.4352, 0.4230, 0.4489



36.4352, 0.2201, 0.3692

Rectangle

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



36.4352, 0.2041, 0.2129



36.4352, 0.3031, 0.2318



36.4352, 0.4230, 0.4489



36.4352, 0.3065, 0.4607

Sweetspot

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



36.4364, 0.2041, 0.2129



75.4727, 0.2794, 0.3006



75.7282, 0.2703, 0.4506



15.5424, 0.2748, 0.2964



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.



36.4364, 0.2041, 0.2129



29.2062, 0.1886, 0.1853



14.5425, 0.1781, 0.1080



18.8955, 0.2979, 0.3169



12.2620, 0.1776, 0.1592



1.4125, 0.1832, 0.1796

Inverse Universe

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



29.3628, 0.4247, 0.2452



25.0044, 0.4596, 0.2422



91.4151, 0.4086, 0.4827



18.1403, 0.3215, 0.3170



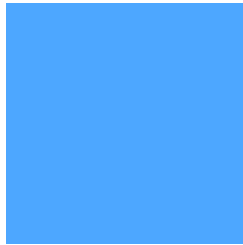
11.9658, 0.4941, 0.2496



1.1871, 0.4690, 0.2357

Previews

White Background



This preview shows how the Yxy color 36.4352, 0.2041, 0.2129 looks on a white background.

Color Contrast Check

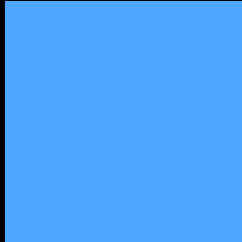
Large Text (above 18pt) WCAG AA × Fail

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 36.4352, 0.2041, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

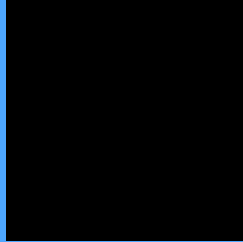
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

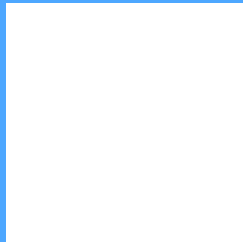
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4352, 0.2041, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 36.4352, 0.2041, 0.2129.



This preview shows how white text looks on a background with the Yxy color 36.4352, 0.2041, 0.2129.

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

36.4352, 0.2041, 0.2129

Protanopia

36.3194, 0.2286, 0.2154

Deuteranopia

36.3757, 0.2156, 0.2097



Tritanopia

36.3419, 0.2202, 0.3047

Trichromacy



Original Color

36.4352, 0.2041, 0.2129

Protanomaly

36.1852, 0.2178, 0.2136

Deuteranomaly

36.3676, 0.2109, 0.2109

Tritanomaly

36.1533, 0.2125, 0.2671

Monochromacy



Original Color

36.4352, 0.2041, 0.2129

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.6187, 0.2581, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4352, 0.2041, 0.2129 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(77, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 167, 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(77, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.4352, 0.2041, 0.2129 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(77, 167, 255) }
```

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

```
.border{ border-color:rgb(77, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4352, 0.2041, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 167, 255) }
```

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

```
.background{ background-color: rgb(77, 167,  
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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