

Converting Colors

$Yxy(36.4032, 0.2201, 0.2087)$

Have a look what the booklet for
Yxy(36.4032, 0.2201, 0.2087)
contains.

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Color

Yxy(36.3547, 0.2201, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	78A0FF
RGB	120, 160, 255
RGB Percent	47%, 63%, 100%
CMY	0.5291, 0.3726, 0.0000
CMYK	0.53, 0.37, 0.00, 0.00
HSL	222°, 100%, 74%
HSV	222°, 53%, 100%
XYZ	38.3773, 36.3547, 99.6311
YIQ	158.8700, -54.3350, 21.0650

Conversions

Conversions Part 2

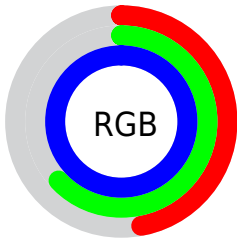
Format	Color
R _Y B	120, 151, 255
Decimal	7905535
CIE Lab	66.79, 12.70, -51.43
CIE LCh	67, 52.971, 283.876
Yxy	36.3547, 0.2201, 0.2085
Android (android.graphics.Color)	4286095615 (0xFF78A0FF)
YUV	158.8700, 47.3921, -34.0890
Hunter-Lab	60.2949, 8.0982, -55.7642

Details

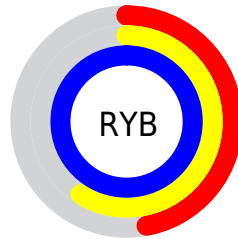
The Yxy color **36.3547, 0.2201, 0.2085** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.2620, 0.4101, 0.4239**, and the grayscale version is **34.4115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8968, 0.2644, 0.2828**, and **15.8844, 0.1953, 0.1789** is the 20% darker color. If you saturate the color by 10%, you get **28.9837, 0.2027, 0.1813**, and if you desaturate by 10%, it is **45.1083, 0.2385, 0.2352**.

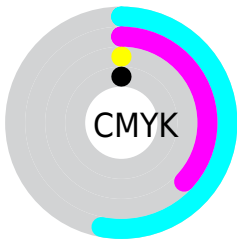
Distribution



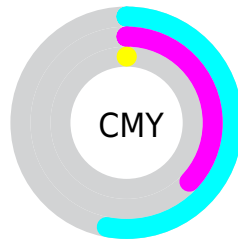
- Red (47%)
- Green (63%)
- Blue (100%)



- Red (47%)
- Yellow (59%)
- Blue (100%)



- Cyan (53%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3547, 0.2201, 0.2085 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 36.3547, 0.2201, 0.2085 by changing the saturation by 10% instead.


 36.3547, 0.2201,
0.2085


 36.3547, 0.2201,
0.2085


330.5082, 0.2663,
0.2663

 24.7083, 0.2091,
0.1953


 69.5792, 0.2366,
0.2287

 15.8598, 0.1953,
0.1791


 91.9260, 0.2429,
0.2365

 9.4250, 0.1778,
0.1589


 118.6084, 0.2482,
0.2432

 5.0194, 0.1551,
0.1336

150.0109, 0.2529,
0.2491

 2.2587, 0.1254,
0.1019

186.5176, 0.2569,
0.2542

 0.7517, 0.0869,
0.0629

228.5132, 0.2604,

 0.0000, 0.0000,

0.2587

0.0000

276.3819, 0.2635,
0.2627

■ 36.3547, 0.2201,
0.2085

■ 36.3547, 0.2201,
0.2085

■ 28.9837, 0.2027,
0.1813

■ 45.1083, 0.2385,
0.2352

■ 22.9205, 0.1871,
0.1546

■ 55.3188, 0.2571,
0.2606

■ 18.0773, 0.1742,
0.1299

■ 67.0510, 0.2751,
0.2839

■ 14.3544, 0.1647,
0.1084

■ 80.3666, 0.2923,
0.3051

■ 12.3111, 0.1599,
0.0956

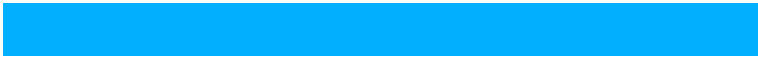
■ 95.3239, 0.3083,
0.3239

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.



36.3547, 0.1839, 0.2195



36.3547, 0.2201, 0.2085



36.3547, 0.2838, 0.2226

Triad

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



36.3547, 0.2201, 0.2085



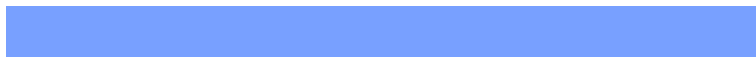
36.3547, 0.4713, 0.3655



36.3547, 0.2512, 0.4193

Complementary

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



36.3547, 0.2201, 0.2085



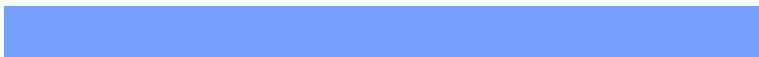
71.2620, 0.4101, 0.4239

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.



36.3547, 0.3246, 0.4730



36.3547, 0.2201, 0.2085



36.3547, 0.4540, 0.4232

Square

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



36.3547, 0.2201, 0.2085



36.3547, 0.4384, 0.3080



36.3547, 0.3988, 0.4678



36.3547, 0.1985, 0.3331

Rectangle

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



36.3547, 0.2201, 0.2085



36.3547, 0.3376, 0.2440



36.3547, 0.3988, 0.4678



36.3547, 0.2743, 0.4432

Sweetspot

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



36.3537, 0.2201, 0.2085



76.0855, 0.2871, 0.2988



80.3996, 0.2620, 0.3781



15.6925, 0.2836, 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.



36.3537, 0.2201, 0.2085



28.9264, 0.2025, 0.1811



26.8774, 0.2279, 0.1664



18.2534, 0.2979, 0.3118



6.6570, 0.1607, 0.0984



0.8283, 0.1667, 0.1202

Inverse Universe

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



37.2468, 0.4206, 0.2884



31.2770, 0.4544, 0.2834



89.3739, 0.3709, 0.4659



18.0755, 0.3248, 0.3220



11.4000, 0.5783, 0.2960



1.1282, 0.5463, 0.2783

Previews

White Background



This preview shows how the Yxy color 36.3547, 0.2201, 0.2085 looks on a white background.

Color Contrast Check

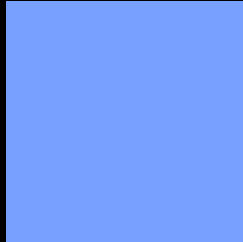
Large Text (above 18pt) WCAG AA × Fail

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 36.3547, 0.2201, 0.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

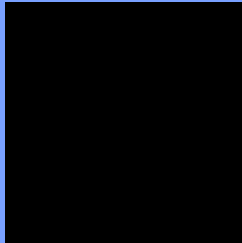
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

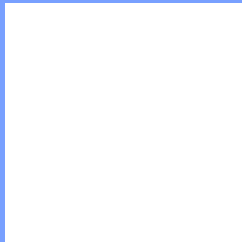
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.3547, 0.2201, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 36.3547, 0.2201, 0.2085.



This preview shows how white text looks on a background with the Yxy color 36.3547, 0.2201, 0.2085.

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

36.3547, 0.2201, 0.2085

Protanopia

36.3877, 0.2235, 0.2091

Deuteranopia

36.4402, 0.2161, 0.2099



Tritanopia

36.4443, 0.2456, 0.3071

Trichromacy



Original Color

36.3547, 0.2201, 0.2085

Protanomaly

36.2371, 0.2224, 0.2088

Deuteranomaly

36.2871, 0.2173, 0.2090

Tritanomaly

36.1327, 0.2352, 0.2664

Monochromacy



Original Color

36.3547, 0.2201, 0.2085

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.7111, 0.2716, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3547, 0.2201, 0.2085 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(120, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 160, 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(120, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.3547, 0.2201, 0.2085 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(120, 160, 255) }
```

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

```
.border{ border-color:rgb(120, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3547, 0.2201, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 160, 255) }
```

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

```
.background{ background-color: rgb(120,  
160, 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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