

Converting Colors

$Yxy(33.7972, 0.1995, 0.2031)$

Have a look what the booklet for
Yxy(33.7972, 0.1995, 0.2031)
contains.

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Color

Yxy(33.6637, 0.1995, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	46A0FF
RGB	70, 160, 255
RGB Percent	27%, 63%, 100%
CMY	0.7252, 0.3726, 0.0001
CMYK	0.73, 0.37, 0.00, 0.00
HSL	211°, 100%, 64%
HSV	211°, 73%, 100%
XYZ	33.1486, 33.6637, 99.3461
YIQ	143.9200, -84.1350, 10.4650

Conversions

Conversions Part 2

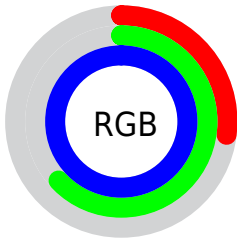
Format	Color
R _{YB}	70, 131, 255
Decimal	4628735
CIE _{Lab}	64.69, 4.13, -54.85
CIE _{LCh}	65, 55.008, 274.302
Yxy	33.6637, 0.1995, 0.2026
Android (android.graphics.Color)	4282818815 (0xFF46A0FF)
YUV	143.9200, 54.7624, -64.8278
Hunter-Lab	58.0204, 0.4460, -60.9057

Details

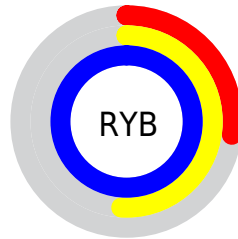
The Yxy color **33.6637, 0.1995, 0.2026** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **48.6381, 0.4782, 0.4168**, and the grayscale version is **27.6663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8021, 0.2429, 0.2801**, and **15.0145, 0.1817, 0.1742** is the 20% darker color. If you saturate the color by 10%, you get **28.6031, 0.1885, 0.1825**, and if you desaturate by 10%, it is **39.6074, 0.2127, 0.2230**.

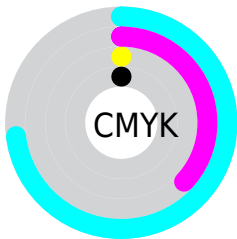
Distribution



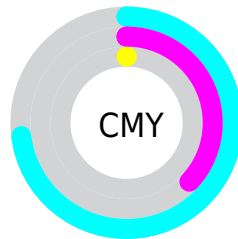
- Red (27%)
- Green (63%)
- Blue (100%)



- Red (27%)
- Yellow (51%)
- Blue (100%)



- Cyan (73%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6637, 0.1995, 0.2026 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 33.6637, 0.1995, 0.2026 by changing the saturation by 10% instead.


 33.6637, 0.1995,
0.2026


 33.6637, 0.1995,
0.2026


318.6299, 0.2554,
0.2642


 22.6354, 0.1864,
0.1884


 65.4104, 0.2193,
0.2243

 14.3245, 0.1702,
0.1709


 86.8975, 0.2269,
0.2326

 8.3467, 0.1501,
0.1493


 112.6396, 0.2334,
0.2398

 4.3176, 0.1246,
0.1223

 143.0212, 0.2390,
0.2460

 1.8528, 0.0927,
0.0890

178.4266, 0.2439,
0.2514

 0.5197, 0.0530,
0.0463

219.2403, 0.2482,

 0.0000, 0.0000,

0.2562

0.0000

265.8466, 0.2520,
0.2604

■ 33.6637, 0.1995,
0.2026

■ 33.6637, 0.1995,
0.2026

■ 28.6031, 0.1885,
0.1825

■ 39.6074, 0.2127,
0.2230

■ 24.3527, 0.1799,
0.1634

■ 46.4903, 0.2276,
0.2430

■ 21.6322, 0.1750,
0.1499

■ 54.3663, 0.2436,
0.2623

■ 63.2833, 0.2601,
0.2804

■ 73.2857, 0.2768,
0.2970

■ 84.4147, 0.2931,
0.3122

■ 96.7092, 0.3089,
0.3258

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



33.6637, 0.1713, 0.2230



33.6637, 0.1995, 0.2026



33.6637, 0.2574, 0.2096

Triad

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



33.6637, 0.1995, 0.2026



33.6637, 0.4762, 0.3466



33.6637, 0.2701, 0.4507

Complementary

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



33.6637, 0.1995, 0.2026



48.6381, 0.4782, 0.4168

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.



33.6637, 0.3503, 0.4876



33.6637, 0.1995, 0.2026



33.6637, 0.4733, 0.4081

Square

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



33.6637, 0.1995, 0.2026



33.6637, 0.4251, 0.2882



33.6637, 0.4247, 0.4632



33.6637, 0.2060, 0.3628

Rectangle

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



33.6637, 0.1995, 0.2026



33.6637, 0.3107, 0.2275



33.6637, 0.4247, 0.4632



33.6637, 0.2961, 0.4706

Sweetspot

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



33.6648, 0.1995, 0.2026



73.8388, 0.2776, 0.2979



75.4443, 0.2687, 0.4519



15.1971, 0.2731, 0.2935



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.



33.6648, 0.1995, 0.2026



26.6039, 0.1843, 0.1738



12.9154, 0.1731, 0.0982



18.8359, 0.2979, 0.3165



11.6010, 0.1758, 0.1528



1.3473, 0.1816, 0.1737

Inverse Universe

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



28.1864, 0.4365, 0.2472



24.2800, 0.4739, 0.2470



93.2120, 0.4089, 0.4880



18.1343, 0.3218, 0.3175



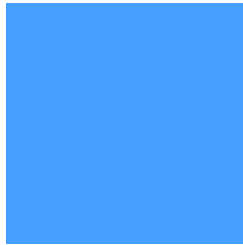
11.8991, 0.5023, 0.2541



1.1806, 0.4761, 0.2396

Previews

White Background



This preview shows how the Yxy color 33.6637, 0.1995, 0.2026 looks on a white background.

Color Contrast Check

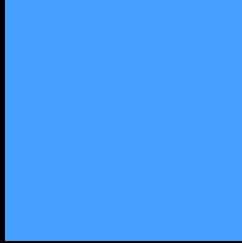
Large Text (above 18pt) WCAG AA × Fail

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 33.6637, 0.1995, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

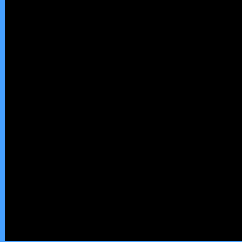
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

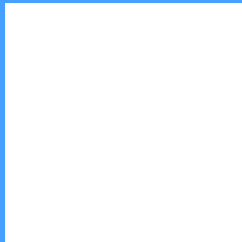
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6637, 0.1995, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 33.6637, 0.1995, 0.2026.



This preview shows how white text looks on a background with the Yxy color 33.6637, 0.1995, 0.2026.

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

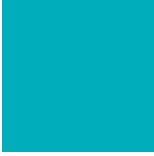
33.6637, 0.1995, 0.2026

Protanopia

33.4817, 0.2208, 0.2057

Deuteranopia

33.7136, 0.2070, 0.2010



Tritanopia

33.4750, 0.2182, 0.3054

Trichromacy



Original Color

33.6637, 0.1995, 0.2026

Protanomaly

33.5087, 0.2113, 0.2042

Deuteranomaly

33.6050, 0.2038, 0.2013

Tritanomaly

32.9654, 0.2078, 0.2606

Monochromacy



Original Color

33.6637, 0.1995, 0.2026

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.0553, 0.2550, 0.2754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6637, 0.1995, 0.2026 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(70, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 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(70, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.6637, 0.1995, 0.2026 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(70, 160, 255) }
```

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

```
.border{ border-color:rgb(70, 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(70, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6637, 0.1995, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 160, 255) }
```

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

```
.background{ background-color: rgb(70, 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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