

Converting Colors

$Y_{xy}(34.1114, 0.1963, 0.2203)$

Have a look what the booklet for
Yxy(34.1114, 0.1963, 0.2203)
contains.

Yxy(34.0237, 0.1961, 0.2196)	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(34.0237, 0.1961, 0.2196)

Conversions

Conversions Part 1

Format	Color
Hex	1AA6F4
RGB	26, 166, 244
RGB Percent	10%, 65%, 96%
CMY	0.8989, 0.3490, 0.0433
CMYK	0.89, 0.32, 0.00, 0.04
HSL	201°, 91%, 53%
HSV	201°, 89%, 96%
XYZ	30.3827, 34.0237, 90.5285
YIQ	133.0320, -108.4780, -5.4220

Conversions

Conversions Part 2

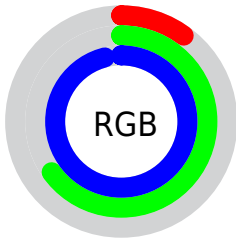
Format	Color
R _Y B	26, 111, 244
Decimal	1746676
CIE Lab	64.98, -7.18, -48.44
CIE LCh	65, 48.970, 261.565
Yxy	34.0237, 0.1961, 0.2196
Android (android.graphics.Color)	4279936756 (0xFF1AA6F4)
YUV	133.0320, 54.7072, -93.8671
Hunter-Lab	58.3298, -9.1005, -51.1877

Details

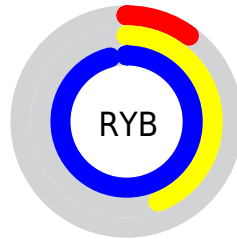
The Yxy color **34.0237, 0.1961, 0.2196** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **29.1486, 0.5586, 0.3840**, and the grayscale version is **23.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5777, 0.2343, 0.2876**, and **15.6225, 0.1877, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **30.7542, 0.1907, 0.2061**, and if you desaturate by 10%, it is **37.7684, 0.2035, 0.2334**.

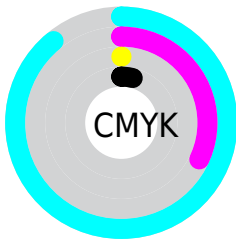
Distribution



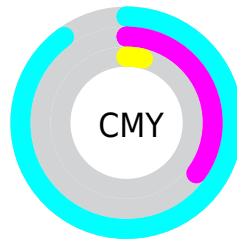
- Red (10%)
- Green (65%)
- Blue (96%)



- Red (10%)
- Yellow (44%)
- Blue (96%)



- Cyan (89%)
- Magenta (32%)
- Yellow (0%)
- Black (4%)





- Cyan (90%)
- Magenta (35%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0237, 0.1961, 0.2196 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 34.0237, 0.1961, 0.2196 by changing the saturation by 10% instead.


 34.0237, 0.1961,
0.2196

 34.0237, 0.1961,
0.2196


320.2377, 0.2534,
0.2746

 22.9118, 0.1826,
0.2064


 65.9705, 0.2164,
0.2393


 14.5284, 0.1660,
0.1898


 87.5742, 0.2242,
0.2468


 8.4891, 0.1452,
0.1688


 113.4440, 0.2309,
0.2532

 4.4095, 0.1190,
0.1418

 143.9643, 0.2366,
0.2587

 1.9051, 0.0861,
0.1069

 179.5194, 0.2417,
0.2635

 0.5515, 0.0381,
0.0603

220.4937, 0.2461,

 0.0000, 0.0000,

0.2677

0.0000

267.2717, 0.2500,
0.2713

■ 34.0237, 0.1961,
0.2196

■ 34.0237, 0.1961,
0.2196

■ 30.7542, 0.1907,
0.2061

■ 37.7684, 0.2035,
0.2334

■ 30.5776, 0.1904,
0.2054

■ 42.0611, 0.2130,
0.2473

■ 46.9529, 0.2244,
0.2611

■ 52.4863, 0.2375,
0.2745

■ 58.6990, 0.2518,
0.2873

■ 65.6252, 0.2669,
0.2993

■ 73.2961, 0.2824,
0.3103

■ 81.7409, 0.2981,
0.3204

■ 90.9871, 0.3136,
0.3295

Harmonies

Analogous

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



34.0237, 0.1817, 0.2514



34.0237, 0.1961, 0.2196



34.0237, 0.2379, 0.2153

Triad

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



34.0237, 0.1961, 0.2196



34.0237, 0.4440, 0.3233



34.0237, 0.3059, 0.4564

Complementary

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



34.0237, 0.1961, 0.2196



29.1486, 0.5586, 0.3840

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.



34.0237, 0.3782, 0.4664



34.0237, 0.1961, 0.2196



34.0237, 0.4632, 0.3792

Square

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



34.0237, 0.1961, 0.2196



34.0237, 0.3825, 0.2725



34.0237, 0.4367, 0.4322



34.0237, 0.2394, 0.3943

Rectangle

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



34.0237, 0.1961, 0.2196



34.0237, 0.2801, 0.2256



34.0237, 0.4367, 0.4322



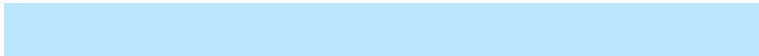
34.0237, 0.3304, 0.4660

Sweetspot

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



34.0248, 0.1961, 0.2196



74.4953, 0.2705, 0.3020



65.8617, 0.2825, 0.5290



15.3503, 0.2653, 0.2980



0.0000, 0.0000, 0.0000



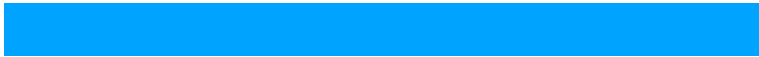
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0248, 0.1961, 0.2196



33.7332, 0.1903, 0.2051



9.8244, 0.1595, 0.0857



17.7036, 0.2980, 0.3203



16.8988, 0.1910, 0.2075



1.6790, 0.1957, 0.2245

Inverse Universe

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



22.7105, 0.4227, 0.2155



23.9365, 0.4396, 0.2195



66.0096, 0.4429, 0.4806



16.6619, 0.3193, 0.3139



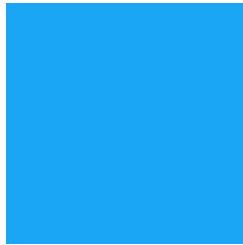
11.8053, 0.4369, 0.2180



1.0571, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 34.0237, 0.1961, 0.2196 looks on a white background.

Color Contrast Check

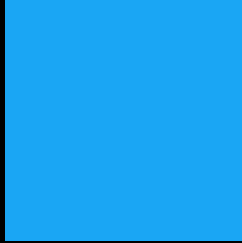
Large Text (above 18pt) WCAG AA × Fail

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 34.0237, 0.1961, 0.2196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

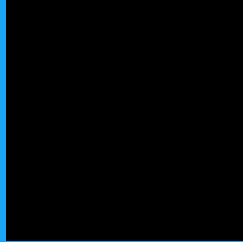
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

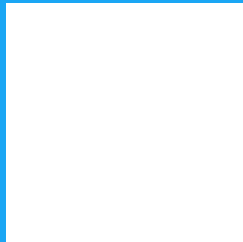
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0237, 0.1961, 0.2196

Background



This preview shows how black text looks on a background with the Yxy color 34.0237, 0.1961, 0.2196.



This preview shows how white text looks on a background with the Yxy color 34.0237, 0.1961, 0.2196.

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

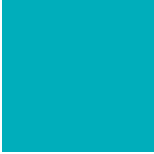
34.0237, 0.1961, 0.2196

Protanopia

33.7188, 0.2338, 0.2223

Deuteranopia

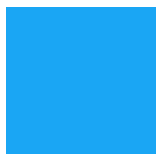
33.9559, 0.2170, 0.2113



Tritanopia

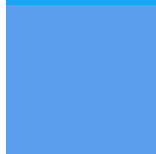
33.8600, 0.2187, 0.3071

Trichromacy



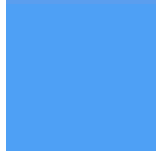
Original Color

34.0237, 0.1961, 0.2196



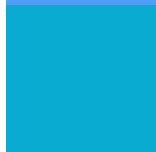
Protanomaly

32.8509, 0.2126, 0.2185



Deuteranomaly

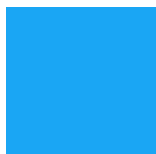
33.3539, 0.2055, 0.2129



Tritanomaly

33.7380, 0.2091, 0.2707

Monochromacy



Original Color

34.0237, 0.1961, 0.2196



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

25.6476, 0.2442, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0237, 0.1961, 0.2196 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(26, 166, 244)` looks like.

```
.text, #text, p{  
    color:rgb(26, 166, 244)  
}
```

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(26, 166, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 166, 244) }
```

Border

The CSS property to change the border of an element to Yxy 34.0237, 0.1961, 0.2196 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(26, 166, 244) }
```

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

```
.border{ border-color:rgb(26, 166, 244) }
```

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

Here you see how a box with a 4 pixel rgb(26, 166, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 166, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 166, 244);  
box-shadow:4px 4px 4px 4px rgb(26, 166,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0237, 0.1961, 0.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 166, 244) }
```

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

```
.background{ background-color: rgb(26, 166,  
244) }
```

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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