

Converting Colors

$Y_{xy}(41.5735, 0.1996, 0.2338)$

Have a look what the booklet for
Yxy(41.5735, 0.1996, 0.2338)
contains.

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Color

Yxy(41.6831, 0.1997, 0.2342)

Conversions

Conversions Part 1

Format	Color
Hex	17B8FF
RGB	23, 184, 255
RGB Percent	9%, 72%, 100%
CMY	0.9090, 0.2784, 0.0001
CMYK	0.91, 0.28, 0.00, 0.00
HSL	198°, 100%, 55%
HSV	198°, 91%, 100%
XYZ	35.5428, 41.6831, 100.7549
YIQ	143.9550, -118.7470, -12.0510

Conversions

Conversions Part 2

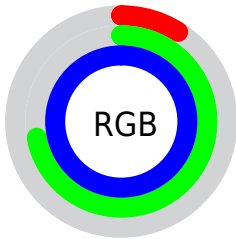
Format	Color
R _Y B	23, 118, 255
Decimal	1554687
CIE Lab	70.65, -13.27, -45.49
CIE LCh	71, 47.391, 253.734
Yxy	41.6831, 0.1997, 0.2342
Android (android.graphics.Color)	4279744767 (0xFF17B8FF)
YUV	143.9550, 54.7452, -106.0775
Hunter-Lab	64.5625, -14.7169, -47.3331

Details

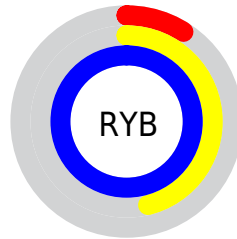
The Yxy color **41.6831, 0.1997, 0.2342** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **29.3536, 0.5758, 0.3723**, and the grayscale version is **27.7073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3221, 0.2400, 0.3112**, and **20.3098, 0.1927, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **38.6215, 0.1955, 0.2237**, and if you desaturate by 10%, it is **45.4793, 0.2060, 0.2459**.

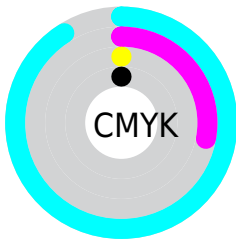
Distribution



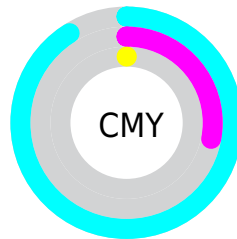
- Red (9%)
- Green (72%)
- Blue (100%)



- Red (9%)
- Yellow (46%)
- Blue (100%)



- Cyan (91%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6831, 0.1997, 0.2342 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 41.6831, 0.1997, 0.2342 by changing the saturation by 10% instead.


 41.6831, 0.1997,
0.2342

 41.6831, 0.1997,
0.2342


353.1676, 0.2536,
0.2813


 28.8532, 0.1874,
0.2230


 77.7198, 0.2185,
0.2510


 18.9698, 0.1723,
0.2089

 101.6954, 0.2258,
0.2574

 11.6485, 0.1536,
0.1911


 130.1550, 0.2321,
0.2629

 6.5048, 0.1301,
0.1680

 163.4831, 0.2375,
0.2676

 3.1544, 0.1005,
0.1375

 202.0640, 0.2423,
0.2717

 1.2129, 0.0642,
0.0977

246.2821, 0.2465,

 0.0722, 0.0000,

0.2753

0.0128

296.5218, 0.2503,
0.2785

■ 0.0000, 0.0000,
0.0000

■ 41.6831, 0.1997,
0.2342

■ 41.6831, 0.1997,
0.2342

■ 38.6215, 0.1955,
0.2237

■ 45.4793, 0.2060,
0.2459

■ 49.8132, 0.2145,
0.2577

■ 54.7417, 0.2249,
0.2694

■ 60.3117, 0.2370,
0.2809

■ 66.5642, 0.2505,
0.2918

■ 73.5362, 0.2651,
0.3021

■ 81.2614, 0.2803,
0.3116

■ 89.7713, 0.2958,
0.3204

■ 99.0951, 0.3113,
0.3283

Harmonies

Analogous

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



41.6831, 0.1932, 0.2713



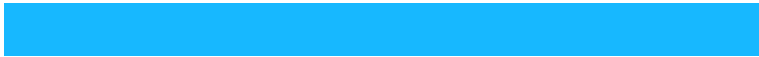
41.6831, 0.1997, 0.2342



41.6831, 0.2321, 0.2234

Triad

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



41.6831, 0.1997, 0.2342



41.6831, 0.4199, 0.3117



41.6831, 0.3250, 0.4504

Complementary

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



41.6831, 0.1997, 0.2342



29.3536, 0.5758, 0.3723

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.



41.6831, 0.3892, 0.4489



41.6831, 0.1997, 0.2342



41.6831, 0.4489, 0.3630

Square

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



41.6831, 0.1997, 0.2342



41.6831, 0.3581, 0.2669



41.6831, 0.4358, 0.4129



41.6831, 0.2609, 0.4053

Rectangle

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



41.6831, 0.1997, 0.2342



41.6831, 0.2672, 0.2292



41.6831, 0.4358, 0.4129



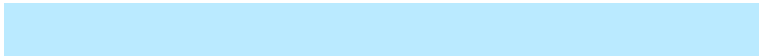
41.6831, 0.3473, 0.4550

Sweetspot

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



41.6845, 0.1997, 0.2342



76.4765, 0.2709, 0.3059



72.4718, 0.2866, 0.5456



15.8202, 0.2658, 0.3026



0.0000, 0.0000, 0.0000



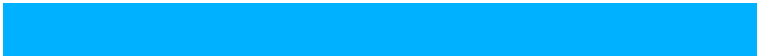
21.4041, 0.3127, 0.3290

Same Dimension

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



41.6845, 0.1997, 0.2342



38.6313, 0.1955, 0.2237



11.7279, 0.1606, 0.0916



19.4875, 0.2980, 0.3215



20.4622, 0.1960, 0.2256



2.1858, 0.1997, 0.2388

Inverse Universe

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



25.3363, 0.4077, 0.2058



24.4310, 0.4193, 0.2083



66.7309, 0.4541, 0.4728



18.2001, 0.3185, 0.3126



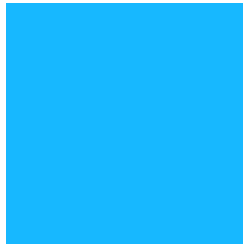
12.7936, 0.4172, 0.2072



1.2652, 0.4035, 0.1996

Previews

White Background



This preview shows how the Yxy color 41.6831, 0.1997, 0.2342 looks on a white background.

Color Contrast Check

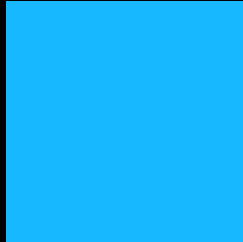
Large Text (above 18pt) WCAG AA × Fail

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 41.6831, 0.1997, 0.2342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

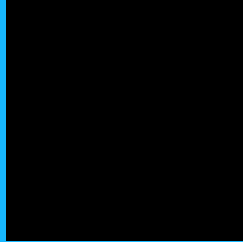
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

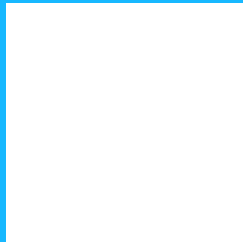
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6831, 0.1997, 0.2342

Background



This preview shows how black text looks on a background with the Yxy color 41.6831, 0.1997, 0.2342.



This preview shows how white text looks on a background with the Yxy color 41.6831, 0.1997, 0.2342.

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

41.6831, 0.1997, 0.2342

Protanopia

41.1429, 0.2444, 0.2362

Deuteranopia

41.3324, 0.2298, 0.2247



Tritanopia

41.6694, 0.2187, 0.3074

Trichromacy



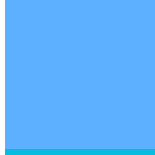
Original Color

41.6831, 0.1997, 0.2342



Protanomaly

39.8711, 0.2193, 0.2330



Deuteranomaly

40.5978, 0.2126, 0.2266



Tritanomaly

41.3458, 0.2109, 0.2777

Monochromacy



Original Color

41.6831, 0.1997, 0.2342



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.9663, 0.2454, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6831, 0.1997, 0.2342 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(23, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 184, 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(23, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.6831, 0.1997, 0.2342 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(23, 184, 255) }
```

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

```
.border{ border-color:rgb(23, 184, 255) }
```

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

Here you see how a box with a 4 pixel rgb(23, 184, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6831, 0.1997, 0.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 184, 255) }
```

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

```
.background{ background-color: rgb(23, 184,  
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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