

Converting Colors

$Yxy(41.8605, 0.2032, 0.2338)$

Have a look what the booklet for
Yxy(41.8605, 0.2032, 0.2338)
contains.

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Color

Yxy(41.7908, 0.2032, 0.2336)

Conversions

Conversions Part 1

Format	Color
Hex	33B7FF
RGB	51, 183, 255
RGB Percent	20%, 72%, 100%
CMY	0.7995, 0.2824, 0.0000
CMYK	0.80, 0.28, 0.00, 0.00
HSL	201°, 100%, 60%
HSV	201°, 80%, 100%
XYZ	36.3523, 41.7908, 100.7559
YIQ	151.7400, -101.7840, -5.5920

Conversions

Conversions Part 2

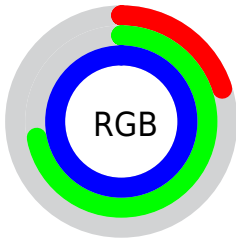
Format	Color
R _Y B	51, 131, 255
Decimal	3389439
CIE Lab	70.73, -10.88, -45.37
CIE LCh	71, 46.653, 256.512
Yxy	41.7908, 0.2032, 0.2336
Android (android.graphics.Color)	4281579519 (0xFF33B7FF)
YUV	151.7400, 50.9072, -88.3490
Hunter-Lab	64.6458, -12.7543, -47.1564

Details

The Yxy color **41.7908, 0.2032, 0.2336** 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 **35.6967, 0.5314, 0.3876**, and the grayscale version is **31.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5422, 0.2438, 0.3102**, and **20.0425, 0.1922, 0.2120** is the 20% darker color. If you saturate the color by 10%, you get **37.7029, 0.1960, 0.2199**, and if you desaturate by 10%, it is **46.4820, 0.2125, 0.2474**.

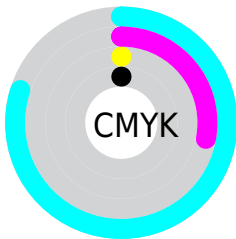
Distribution



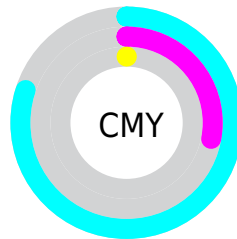
- Red (20%)
- Green (72%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7908, 0.2032, 0.2336 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 41.7908, 0.2032, 0.2336 by changing the saturation by 10% instead.


 41.7908, 0.2032,
0.2336


 41.7908, 0.2032,
0.2336


353.6150, 0.2556,
0.2808


 28.9375, 0.1912,
0.2224


 77.8829, 0.2215,
0.2504


 19.0336, 0.1764,
0.2084


 101.8905, 0.2286,
0.2568

 11.6945, 0.1581,
0.1907


 130.3851, 0.2347,
0.2623

 6.5360, 0.1349,
0.1677


 163.7509, 0.2400,
0.2670

 3.1737, 0.1055,
0.1375

202.3724, 0.2446,
0.2711

 1.2231, 0.0691,
0.0979

246.6340, 0.2487,

 0.0804, 0.0000,

0.2747

0.0143

296.9200, 0.2524,
0.2779

■ 0.0000, 0.0000,
0.0000

■ 41.7908, 0.2032,
0.2336

■ 41.7908, 0.2032,
0.2336

■ 37.7029, 0.1960,
0.2199

■ 46.4820, 0.2125,
0.2474

■ 34.1254, 0.1907,
0.2066

■ 51.8286, 0.2238,
0.2611

■ 34.1089, 0.1907,
0.2066

■ 57.8795, 0.2367,
0.2743

■ 64.6769, 0.2509,
0.2870

■ 72.2589, 0.2660,
0.2989

■ 80.6603, 0.2816,
0.3099

■ 89.9137, 0.2973,
0.3200

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



41.7908, 0.1944, 0.2678



41.7908, 0.2032, 0.2336



41.7908, 0.2375, 0.2251

Triad

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



41.7908, 0.2032, 0.2336



41.7908, 0.4224, 0.3166



41.7908, 0.3189, 0.4460

Complementary

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



41.7908, 0.2032, 0.2336



35.6967, 0.5314, 0.3876

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.



41.7908, 0.3828, 0.4489



41.7908, 0.2032, 0.2336



41.7908, 0.4472, 0.3675

Square

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



41.7908, 0.2032, 0.2336



41.7908, 0.3637, 0.2714



41.7908, 0.4309, 0.4160



41.7908, 0.2566, 0.3980

Rectangle

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



41.7908, 0.2032, 0.2336



41.7908, 0.2735, 0.2321



41.7908, 0.4309, 0.4160



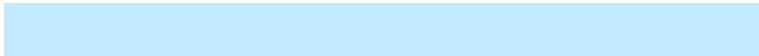
41.7908, 0.3409, 0.4521

Sweetspot

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



41.7922, 0.2032, 0.2336



77.1596, 0.2752, 0.3056



73.6430, 0.2806, 0.5080



15.8800, 0.2697, 0.3016



0.0000, 0.0000, 0.0000



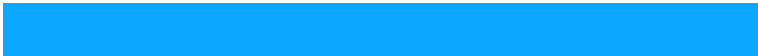
21.4041, 0.3127, 0.3290

Same Dimension

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



41.7922, 0.2032, 0.2336



35.4926, 0.1927, 0.2119



13.9169, 0.1692, 0.1051



19.3385, 0.2980, 0.3204



18.1145, 0.1913, 0.2088



1.9695, 0.1956, 0.2240

Inverse Universe

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



27.0568, 0.4066, 0.2158



24.3289, 0.4318, 0.2167



75.0355, 0.4352, 0.4759



18.1850, 0.3192, 0.3137



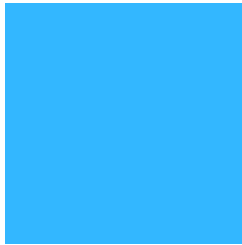
12.5566, 0.4355, 0.2173



1.2434, 0.4189, 0.2082

Previews

White Background



This preview shows how the Yxy color 41.7908, 0.2032, 0.2336 looks on a white background.

Color Contrast Check

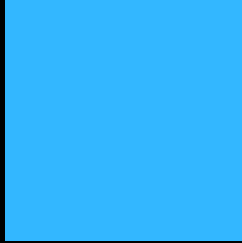
Large Text (above 18pt) WCAG AA × Fail

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 41.7908, 0.2032, 0.2336 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

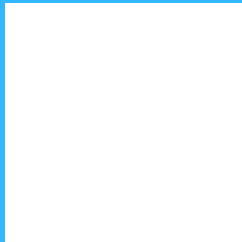
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7908, 0.2032, 0.2336

Background



This preview shows how black text looks on a background with the Yxy color 41.7908, 0.2032, 0.2336.



This preview shows how white text looks on a background with the Yxy color 41.7908, 0.2032, 0.2336.

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

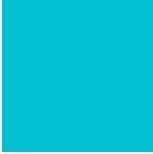
41.7908, 0.2032, 0.2336

Protanopia

41.2035, 0.2439, 0.2351

Deuteranopia

41.4142, 0.2304, 0.2248



Tritanopia

41.7178, 0.2183, 0.3059

Trichromacy



Original Color

41.7908, 0.2032, 0.2336

Protanomaly

40.5601, 0.2235, 0.2331

Deuteranomaly

40.8230, 0.2168, 0.2264

Tritanomaly

41.4867, 0.2113, 0.2765

Monochromacy



Original Color

41.7908, 0.2032, 0.2336

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.5133, 0.2532, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7908, 0.2032, 0.2336 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(51, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 183, 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(51, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.7908, 0.2032, 0.2336 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(51, 183, 255) }
```

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

```
.border{ border-color:rgb(51, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7908, 0.2032, 0.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 183, 255) }
```

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

```
.background{ background-color: rgb(51, 183,  
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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