

Converting Colors

$Yxy(37.1392, 0.2130, 0.2134)$

Have a look what the booklet for
Yxy(37.1392, 0.2130, 0.2134)
contains.

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Color

Yxy(37.3172, 0.2132, 0.2141)

Conversions

Conversions Part 1

Format	Color
Hex	66A6FF
RGB	102, 166, 255
RGB Percent	40%, 65%, 100%
CMY	0.6000, 0.3490, 0.0001
CMYK	0.60, 0.35, 0.00, 0.00
HSL	215°, 100%, 70%
HSV	215°, 60%, 100%
XYZ	37.1603, 37.3172, 99.8205
YIQ	157.0100, -66.7130, 14.1110

Conversions

Conversions Part 2

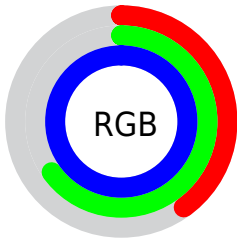
Format	Color
RYB	102, 147, 255
Decimal	6727423
CIELab	67.51, 5.63, -50.30
CIElCh	68, 50.614, 276.391
Yxy	37.3172, 0.2132, 0.2141
Android (android.graphics.Color)	4284917503 (0xFF66A6FF)
YUV	157.0100, 48.3091, -48.2438
Hunter-Lab	61.0878, 1.6797, -54.1213

Details

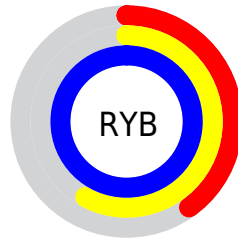
The Yxy color **37.3172, 0.2132, 0.2141** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **59.4546, 0.4369, 0.4173**, and the grayscale version is **33.5237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7194, 0.2565, 0.2900**, and **16.5093, 0.1873, 0.1857** is the 20% darker color. If you saturate the color by 10%, you get **30.9669, 0.1985, 0.1912**, and if you desaturate by 10%, it is **44.7494, 0.2294, 0.2367**.

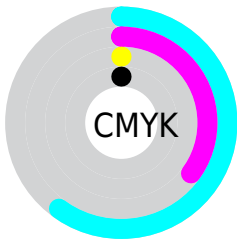
Distribution



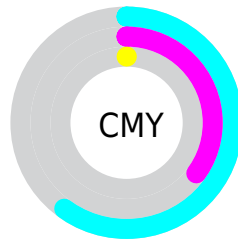
- Red (40%)
- Green (65%)
- Blue (100%)



- Red (40%)
- Yellow (58%)
- Blue (100%)



- Cyan (60%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3172, 0.2132, 0.2141 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 37.3172, 0.2132, 0.2141 by changing the saturation by 10% instead.


 37.3172, 0.2132,
0.2141


 37.3172, 0.2132,
0.2141


334.6818, 0.2622,
0.2697

 25.4532, 0.2016,
0.2012

 71.0604, 0.2306,
0.2336

 16.4150, 0.1873,
0.1854


 93.7083, 0.2372,
0.2412

 9.8183, 0.1692,
0.1656


 120.7197, 0.2429,
0.2477

 5.2787, 0.1460,
0.1406

152.4789, 0.2479,
0.2533

 2.4117, 0.1160,
0.1088

189.3703, 0.2521,
0.2582

 0.8319, 0.0778,
0.0695

231.7783, 0.2559,

 0.0000, 0.0000,

0.2625

0.0000

280.0874, 0.2592,
0.2663

■ 37.3172, 0.2132,
0.2141

■ 37.3172, 0.2132,
0.2141

■ 30.9669, 0.1985,
0.1912

■ 44.7494, 0.2294,
0.2367

■ 25.6302, 0.1860,
0.1687

■ 53.3179, 0.2464,
0.2584

■ 21.2343, 0.1762,
0.1475

■ 63.0769, 0.2637,
0.2786

■ 17.6709, 0.1690,
0.1283

■ 74.0760, 0.2807,
0.2972

■ 17.6688, 0.1690,
0.1283

■ 86.3613, 0.2971,
0.3140

99.9765, 0.3127,
0.3290

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



37.3172, 0.1851, 0.2318



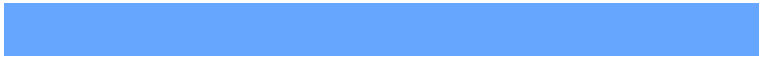
37.3172, 0.2132, 0.2141



37.3172, 0.2681, 0.2218

Triad

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



37.3172, 0.2132, 0.2141



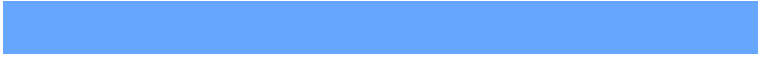
37.3172, 0.4599, 0.3508



37.3172, 0.2710, 0.4312

Complementary

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



37.3172, 0.2132, 0.2141



59.4546, 0.4369, 0.4173

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.



37.3172, 0.3431, 0.4688



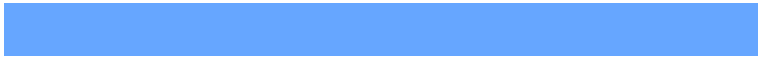
37.3172, 0.2132, 0.2141



37.3172, 0.4555, 0.4066

Square

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



37.3172, 0.2132, 0.2141



37.3172, 0.4172, 0.2965



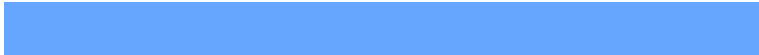
37.3172, 0.4109, 0.4532



37.3172, 0.2141, 0.3538

Rectangle

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



37.3172, 0.2132, 0.2141



37.3172, 0.3169, 0.2392



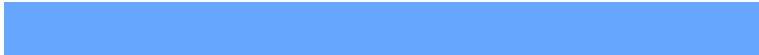
37.3172, 0.4109, 0.4532



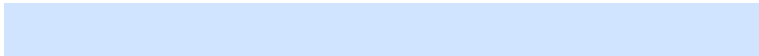
37.3172, 0.2943, 0.4498

Sweetspot

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



37.3185, 0.2132, 0.2141



76.4459, 0.2840, 0.3007



77.9818, 0.2669, 0.4132



15.6333, 0.2792, 0.2956



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.



37.3185, 0.2132, 0.2141



29.8264, 0.1958, 0.1866



20.1785, 0.2013, 0.1376



18.6268, 0.2979, 0.3148



9.5143, 0.1698, 0.1313



1.1364, 0.1760, 0.1535

Inverse Universe

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



33.5097, 0.4191, 0.2657



27.9629, 0.4535, 0.2594



91.8264, 0.3906, 0.4737



18.1132, 0.3228, 0.3191



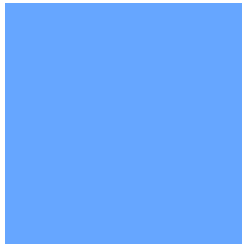
11.6884, 0.5308, 0.2698



1.1593, 0.5014, 0.2536

Previews

White Background



This preview shows how the Yxy color 37.3172, 0.2132, 0.2141 looks on a white background.

Color Contrast Check

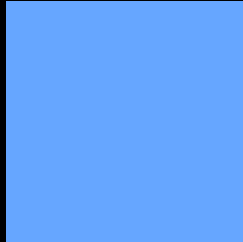
Large Text (above 18pt) WCAG AA × Fail

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 37.3172, 0.2132, 0.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

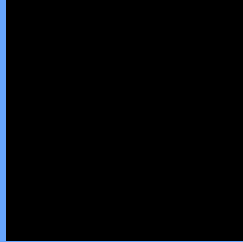
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

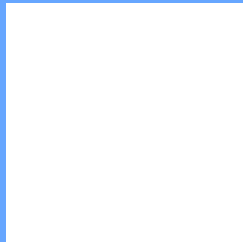
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3172, 0.2132, 0.2141

Background



This preview shows how black text looks on a background with the Yxy color 37.3172, 0.2132, 0.2141.



This preview shows how white text looks on a background with the Yxy color 37.3172, 0.2132, 0.2141.

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

37.3172, 0.2132, 0.2141

Protanopia

37.2974, 0.2292, 0.2164

Deuteranopia

37.0592, 0.2184, 0.2117



Tritanopia

37.5463, 0.2336, 0.3070

Trichromacy



Original Color

37.3172, 0.2132, 0.2141

Protanomaly

37.2876, 0.2227, 0.2154

Deuteranomaly

37.0859, 0.2162, 0.2124

Tritanomaly

37.1148, 0.2247, 0.2674

Monochromacy



Original Color

37.3172, 0.2132, 0.2141

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.3102, 0.2661, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3172, 0.2132, 0.2141 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(102, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 166, 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(102, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.3172, 0.2132, 0.2141 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(102, 166, 255) }
```

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

```
.border{ border-color:rgb(102, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3172, 0.2132, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 166, 255) }
```

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

```
.background{ background-color: rgb(102,  
166, 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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