

Converting Colors

$Y_{xy}(37.1598, 0.2170, 0.2125)$

Have a look what the booklet for
Yxy(37.1598, 0.2170, 0.2125)
contains.

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Color

Yxy(37.2157, 0.2172, 0.2126)

Conversions

Conversions Part 1

Format	Color
Hex	70A4FF
RGB	112, 164, 255
RGB Percent	44%, 64%, 100%
CMY	0.5604, 0.3569, 0.0000
CMYK	0.56, 0.36, 0.00, 0.00
HSL	218°, 100%, 72%
HSV	218°, 56%, 100%
XYZ	38.0209, 37.2157, 99.8137
YIQ	158.8260, -60.2030, 17.2770

Conversions

Conversions Part 2

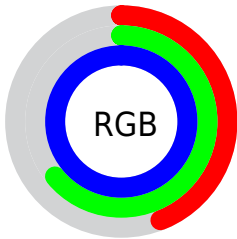
Format	Color
RYB	112, 150, 255
Decimal	7382271
CIELab	67.44, 8.76, -50.43
CIELCh	67, 51.181, 279.856
Yxy	37.2157, 0.2172, 0.2126
Android (android.graphics.Color)	4285572351 (0xFF70A4FF)
YUV	158.8260, 47.4138, -41.0664
Hunter-Lab	61.0047, 4.4913, -54.3049

Details

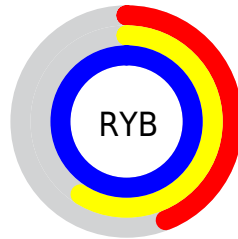
The Yxy color **37.2157, 0.2172, 0.2126** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.2042, 0.4223, 0.4200**, and the grayscale version is **34.3964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6537, 0.2611, 0.2881**, and **16.4229, 0.1920, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **30.3242, 0.2011, 0.1877**, and if you desaturate by 10%, it is **45.3218, 0.2345, 0.2371**.

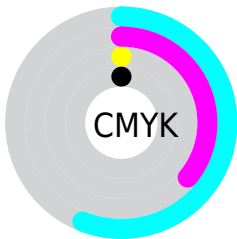
Distribution



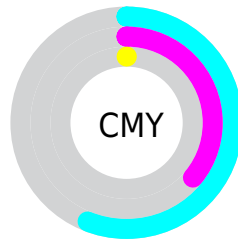
- Red (44%)
- Green (64%)
- Blue (100%)



- Red (44%)
- Yellow (59%)
- Blue (100%)



- Cyan (56%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2157, 0.2172, 0.2126 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 37.2157, 0.2172, 0.2126 by changing the saturation by 10% instead.


 37.2157, 0.2172,
0.2126


 37.2157, 0.2172,
0.2126


334.2434, 0.2644,
0.2687


 25.3745, 0.2060,
0.1997


 70.9044, 0.2340,
0.2322

 16.3563, 0.1920,
0.1838


 93.5207, 0.2404,
0.2398

 9.7766, 0.1744,
0.1640


 120.4976, 0.2459,
0.2464

 5.2511, 0.1516,
0.1391

152.2194, 0.2507,
0.2520

 2.3953, 0.1219,
0.1074

189.0704, 0.2548,
0.2570

 0.8235, 0.0836,
0.0684

231.4352, 0.2584,

 0.0000, 0.0000,

0.2613

0.0000

279.6981, 0.2616,
0.2652

■ 37.2157, 0.2172,
0.2126

■ 37.2157, 0.2172,
0.2126

■ 30.3242, 0.2011,
0.1877

■ 45.3218, 0.2345,
0.2371

■ 24.5806, 0.1870,
0.1632

■ 54.7075, 0.2524,
0.2604

■ 19.9064, 0.1756,
0.1402

■ 65.4301, 0.2701,
0.2820

■ 16.2100, 0.1672,
0.1197

■ 77.5435, 0.2872,
0.3017

■ 14.9732, 0.1646,
0.1124

■ 91.0986, 0.3034,
0.3193

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



37.2157, 0.1857, 0.2272



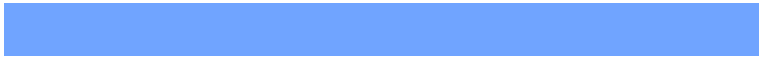
37.2157, 0.2172, 0.2126



37.2157, 0.2756, 0.2231

Triad

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



37.2157, 0.2172, 0.2126



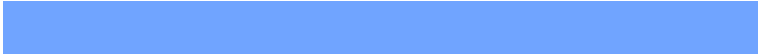
37.2157, 0.4636, 0.3574



37.2157, 0.2626, 0.4248

Complementary

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



37.2157, 0.2172, 0.2126



65.2042, 0.4223, 0.4200

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.



37.2157, 0.3347, 0.4691



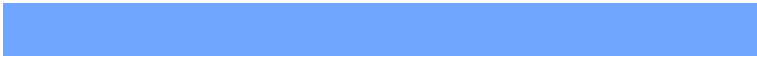
37.2157, 0.2172, 0.2126



37.2157, 0.4536, 0.4134

Square

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



37.2157, 0.2172, 0.2126



37.2157, 0.4256, 0.3021



37.2157, 0.4047, 0.4585



37.2157, 0.2080, 0.3443

Rectangle

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



37.2157, 0.2172, 0.2126



37.2157, 0.3261, 0.2422



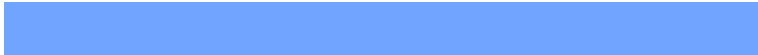
37.2157, 0.4047, 0.4585



37.2157, 0.2856, 0.4456

Sweetspot

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



37.2149, 0.2172, 0.2126



76.3150, 0.2856, 0.2999



79.2647, 0.2644, 0.3940



15.7952, 0.2822, 0.2960



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.



37.2149, 0.2172, 0.2126



29.7223, 0.1997, 0.1853



23.6696, 0.2154, 0.1534



18.4572, 0.2979, 0.3134



8.0815, 0.1654, 0.1154



0.9858, 0.1716, 0.1378

Inverse Universe

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



35.5512, 0.4185, 0.2768



29.7046, 0.4523, 0.2708



90.5161, 0.3801, 0.4696



18.0961, 0.3237, 0.3204



11.5438, 0.5532, 0.2821



1.1441, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 37.2157, 0.2172, 0.2126 looks on a white background.

Color Contrast Check

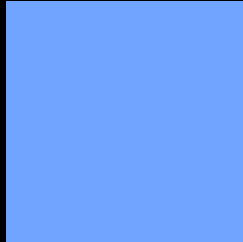
Large Text (above 18pt) WCAG AA × Fail

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 37.2157, 0.2172, 0.2126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

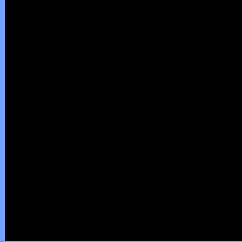
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

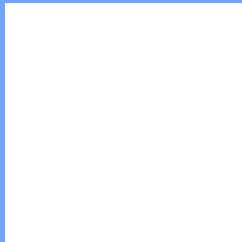
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2157, 0.2172, 0.2126

Background



This preview shows how black text looks on a background with the Yxy color 37.2157, 0.2172, 0.2126.



This preview shows how white text looks on a background with the Yxy color 37.2157, 0.2172, 0.2126.

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

37.2157, 0.2172, 0.2126

Protanopia

36.9157, 0.2269, 0.2129

Deuteranopia

37.0592, 0.2184, 0.2117



Tritanopia

37.2806, 0.2402, 0.3071

Trichromacy



Original Color

37.2157, 0.2172, 0.2126

Protanomaly

36.7925, 0.2228, 0.2121

Deuteranomaly

36.9918, 0.2179, 0.2116

Tritanomaly

36.9015, 0.2309, 0.2678

Monochromacy



Original Color

37.2157, 0.2172, 0.2126

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.1356, 0.2695, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2157, 0.2172, 0.2126 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(112, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 164, 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(112, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.2157, 0.2172, 0.2126 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(112, 164, 255) }
```

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

```
.border{ border-color:rgb(112, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2157, 0.2172, 0.2126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 164, 255) }
```

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

```
.background{ background-color: rgb(112,  
164, 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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