

Converting Colors

$Y_{xy}(37.7332, 0.2157, 0.2151)$

Have a look what the booklet for
Yxy(37.7332, 0.2157, 0.2151)
contains.

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Color

Yxy(37.6182, 0.2154, 0.2147)

Conversions

Conversions Part 1	
Format	Color
Hex	6BA6FF
RGB	107, 166, 255
RGB Percent	42%, 65%, 100%
CMY	0.5806, 0.3490, 0.0001
CMYK	0.58, 0.35, 0.00, 0.00
HSL	216°, 100%, 71%
HSV	216°, 58%, 100%
XYZ	37.7408, 37.6182, 99.8538
YIQ	158.5050, -63.7330, 15.1710

Conversions

Conversions Part 2

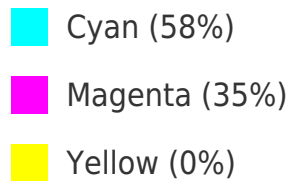
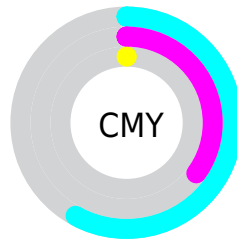
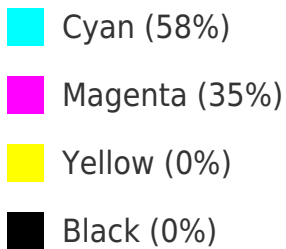
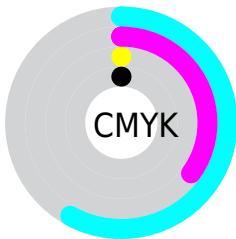
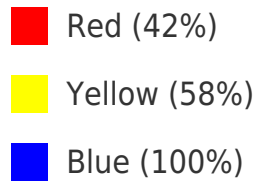
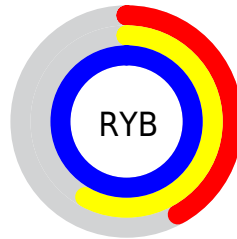
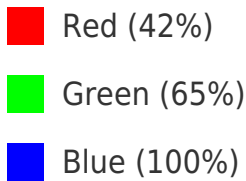
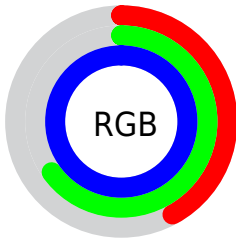
Format	Color
RYB	107, 149, 255
Decimal	7055103
CIELab	67.74, 6.56, -49.94
CIELCh	68, 50.364, 277.487
Yxy	37.6182, 0.2154, 0.2147
Android (android.graphics.Color)	4285245183 (0xFF6BA6FF)
YUV	158.5050, 47.5720, -45.1699
Hunter-Lab	61.3337, 2.5036, -53.5930

Details

The Yxy color **37.6182, 0.2154, 0.2147** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.7530, 0.4303, 0.4178**, and the grayscale version is **34.2309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2577, 0.2592, 0.2902**, and **16.6960, 0.1902, 0.1866** is the 20% darker color. If you saturate the color by 10%, you get **31.0224, 0.2001, 0.1911**, and if you desaturate by 10%, it is **45.3460, 0.2321, 0.2379**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6182, 0.2154, 0.2147 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 37.6182, 0.2154, 0.2147 by changing the saturation by 10% instead.


 37.6182, 0.2154,
0.2147


 37.6182, 0.2154,
0.2147


335.9793, 0.2634,
0.2699

 25.6865, 0.2041,
0.2019


 71.5226, 0.2324,
0.2341

 16.5893, 0.1900,
0.1862


 94.2640, 0.2390,
0.2416

 9.9421, 0.1722,
0.1666


 121.3775, 0.2445,
0.2480

 5.3606, 0.1493,
0.1418

153.2474, 0.2493,
0.2536

 2.4603, 0.1196,
0.1102

190.2582, 0.2535,
0.2584

 0.8567, 0.0815,
0.0711

232.7941, 0.2572,

 0.0000, 0.0000,


0.2627

0.0000


281.2397, 0.2605,
0.2665


 37.6182, 0.2154,
0.2147

 37.6182, 0.2154,
0.2147

 31.0224, 0.2001,
0.1911

 45.3460, 0.2321,
0.2379


 25.4892, 0.1869,
0.1678


 54.2613, 0.2494,
0.2601

 20.9455, 0.1764,
0.1459

 64.4197, 0.2668,
0.2808

 17.2973, 0.1687,
0.1261

 75.8720, 0.2839,
0.2997

 16.6699, 0.1674,
0.1225

 88.6657, 0.3002,
0.3167

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



37.6182, 0.1865, 0.2313



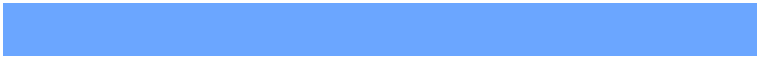
37.6182, 0.2154, 0.2147



37.6182, 0.2709, 0.2232

Triad

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



37.6182, 0.2154, 0.2147



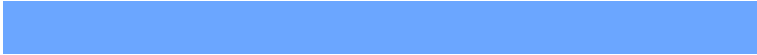
37.6182, 0.4595, 0.3528



37.6182, 0.2689, 0.4280

Complementary

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



37.6182, 0.2154, 0.2147



61.7530, 0.4303, 0.4178

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.



37.6182, 0.3403, 0.4673



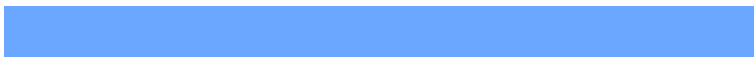
37.6182, 0.2154, 0.2147



37.6182, 0.4535, 0.4082

Square

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



37.6182, 0.2154, 0.2147



37.6182, 0.4186, 0.2986



37.6182, 0.4081, 0.4537



37.6182, 0.2132, 0.3506

Rectangle

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



37.6182, 0.2154, 0.2147



37.6182, 0.3197, 0.2409



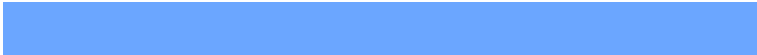
37.6182, 0.4081, 0.4537



37.6182, 0.2919, 0.4470

Sweetspot

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



37.6195, 0.2154, 0.2147



77.1749, 0.2856, 0.3015



78.5988, 0.2655, 0.4033



15.9972, 0.2823, 0.2979



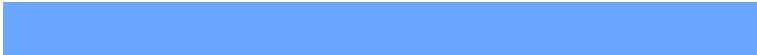
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



37.6195, 0.2154, 0.2147



29.8712, 0.1974, 0.1865



21.8435, 0.2082, 0.1453



18.5672, 0.2979, 0.3143



8.9849, 0.1682, 0.1256



1.0815, 0.1744, 0.1479

Inverse Universe

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



34.5139, 0.4175, 0.2700



28.6275, 0.4527, 0.2635



91.1164, 0.3853, 0.4719



18.1072, 0.3231, 0.3196



11.6350, 0.5388, 0.2742



1.1537, 0.5086, 0.2576

Previews

White Background



This preview shows how the Yxy color 37.6182, 0.2154, 0.2147 looks on a white background.

Color Contrast Check

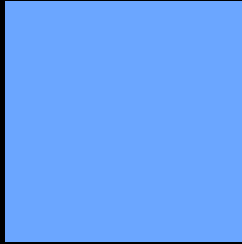
Large Text (above 18pt) WCAG AA × Fail

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 37.6182, 0.2154, 0.2147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

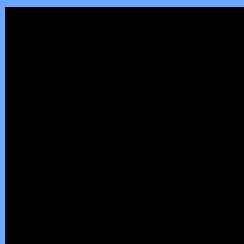
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

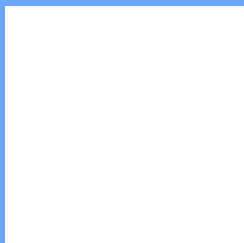
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6182, 0.2154, 0.2147

Background



This preview shows how black text looks on a background with the Yxy color 37.6182, 0.2154, 0.2147.



This preview shows how white text looks on a background with the Yxy color 37.6182, 0.2154, 0.2147.

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

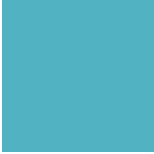
37.6182, 0.2154, 0.2147

Protanopia

37.3603, 0.2288, 0.2154

Deuteranopia

37.5528, 0.2196, 0.2133



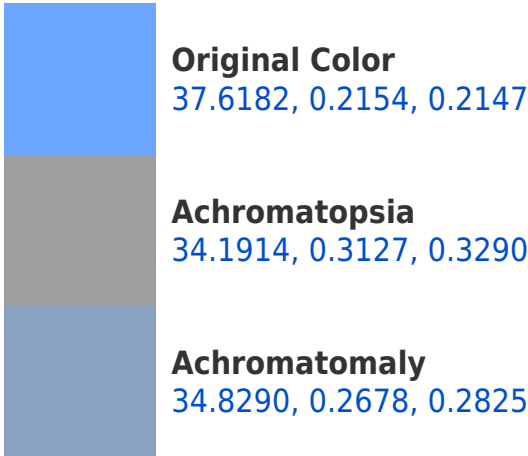
Tritanopia

37.8398, 0.2365, 0.3071

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6182, 0.2154, 0.2147 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(107, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6182, 0.2154, 0.2147 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(107, 166, 255) }
```

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

```
.border{ border-color:rgb(107, 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(107, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6182, 0.2154, 0.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 166, 255) }
```

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

```
.background{ background-color: rgb(107,  
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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