

Converting Colors

$Yxy(37.6926, 0.2135, 0.2154)$

Have a look what the booklet for
Yxy(37.6926, 0.2135, 0.2154)
contains.

Yxy(37.6822, 0.2135, 0.2154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.6822, 0.2135, 0.2154)

Conversions

Conversions Part 1

Format	Color
Hex	66A7FF
RGB	102, 167, 255
RGB Percent	40%, 65%, 100%
CMY	0.5999, 0.3451, 0.0000
CMYK	0.60, 0.35, 0.00, 0.00
HSL	215°, 100%, 70%
HSV	215°, 60%, 100%
XYZ	37.3498, 37.6822, 99.9086
YIQ	157.5970, -66.9880, 13.5880

Conversions

Conversions Part 2

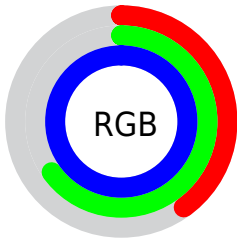
Format	Color
RYB	102, 148, 255
Decimal	6727679
CIELab	67.79, 5.08, -49.89
CIElCh	68, 50.147, 275.819
Yxy	37.6822, 0.2135, 0.2154
Android (android.graphics.Color)	4284917759 (0xFF66A7FF)
YUV	157.5970, 48.0197, -48.7586
Hunter-Lab	61.3858, 1.1820, -53.5274

Details

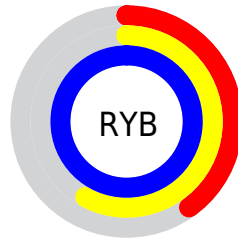
The Yxy color **37.6822, 0.2135, 0.2154** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **59.0600, 0.4376, 0.4164**, and the grayscale version is **33.8059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2491, 0.2566, 0.2911**, and **16.7386, 0.1878, 0.1875** is the 20% darker color. If you saturate the color by 10%, you get **31.3416, 0.1989, 0.1927**, and if you desaturate by 10%, it is **45.0931, 0.2296, 0.2378**.

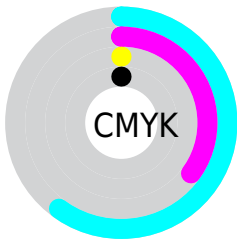
Distribution



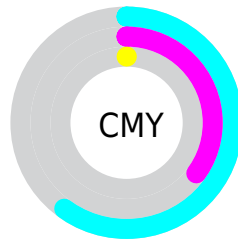
- Red (40%)
- Green (65%)
- Blue (100%)



- 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 37.6822, 0.2135, 0.2154 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 37.6822, 0.2135, 0.2154 by changing the saturation by 10% instead.


 37.6822, 0.2135,
0.2154


 37.6822, 0.2135,
0.2154


336.2547, 0.2623,
0.2704

 25.7361, 0.2020,
0.2027


 71.6208, 0.2308,
0.2347

 16.6263, 0.1877,
0.1870


 94.3821, 0.2374,
0.2422

 9.9684, 0.1698,
0.1674


 121.5172, 0.2431,
0.2486

 5.3780, 0.1467,
0.1425

153.4106, 0.2480,
0.2541

 2.4707, 0.1168,
0.1109

190.4467, 0.2523,
0.2590

 0.8619, 0.0788,
0.0716

233.0098, 0.2560,

 0.0000, 0.0000,

0.2632

0.0000

281.4843, 0.2593,
0.2670

■ 37.6822, 0.2135,
0.2154

■ 37.6822, 0.2135,
0.2154

■ 31.3416, 0.1989,
0.1927

■ 45.0931, 0.2296,
0.2378

■ 26.0038, 0.1865,
0.1704

■ 53.6279, 0.2465,
0.2592

■ 21.5966, 0.1767,
0.1494

■ 63.3403, 0.2637,
0.2792

■ 18.0127, 0.1695,
0.1302

■ 74.2792, 0.2807,
0.2976

■ 18.0081, 0.1695,
0.1302

■ 86.4903, 0.2971,
0.3142

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



37.6822, 0.1862, 0.2335



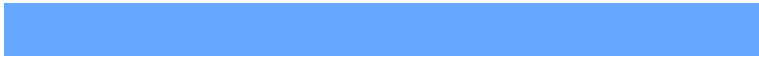
37.6822, 0.2135, 0.2154



37.6822, 0.2674, 0.2226

Triad

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



37.6822, 0.2135, 0.2154



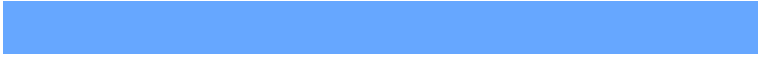
37.6822, 0.4577, 0.3497



37.6822, 0.2728, 0.4310

Complementary

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



37.6822, 0.2135, 0.2154



59.0600, 0.4376, 0.4164

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.



37.6822, 0.3443, 0.4671



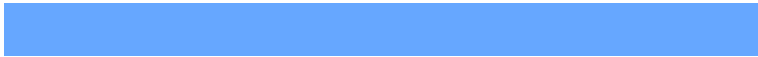
37.6822, 0.2135, 0.2154



37.6822, 0.4544, 0.4049

Square

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



37.6822, 0.2135, 0.2154



37.6822, 0.4147, 0.2959



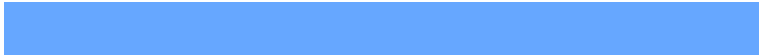
37.6822, 0.4110, 0.4512



37.6822, 0.2161, 0.3551

Rectangle

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



37.6822, 0.2135, 0.2154



37.6822, 0.3154, 0.2395



37.6822, 0.4110, 0.4512



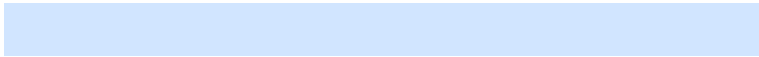
37.6822, 0.2960, 0.4490

Sweetspot

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



37.6835, 0.2135, 0.2154



76.6042, 0.2840, 0.3010



78.0060, 0.2670, 0.4132



15.6717, 0.2792, 0.2960



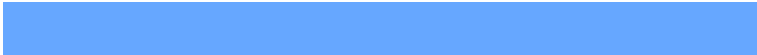
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



37.6835, 0.2135, 0.2154



30.1890, 0.1962, 0.1882



20.1893, 0.2013, 0.1377



18.6460, 0.2979, 0.3150



9.6910, 0.1704, 0.1332



1.1546, 0.1765, 0.1553

Inverse Universe

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



33.5588, 0.4178, 0.2647



27.9995, 0.4518, 0.2583



91.8538, 0.3906, 0.4737



18.1151, 0.3227, 0.3189



11.7063, 0.5282, 0.2684



1.1611, 0.4990, 0.2523

Previews

White Background



This preview shows how the Yxy color 37.6822, 0.2135, 0.2154 looks on a white background.

Color Contrast Check

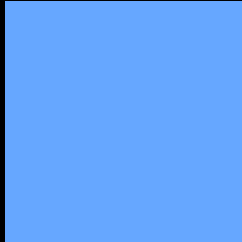
Large Text (above 18pt) WCAG AA × Fail

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 37.6822, 0.2135, 0.2154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

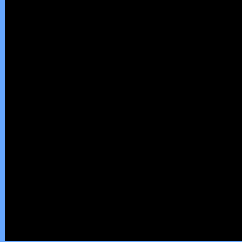
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

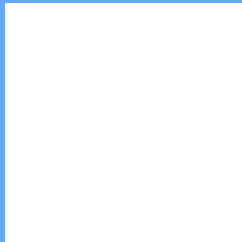
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6822, 0.2135, 0.2154

Background



This preview shows how black text looks on a background with the Yxy color 37.6822, 0.2135, 0.2154.



This preview shows how white text looks on a background with the Yxy color 37.6822, 0.2135, 0.2154.

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

37.6822, 0.2135, 0.2154

Protanopia

37.3784, 0.2298, 0.2165

Deuteranopia

37.5528, 0.2196, 0.2133



Tritanopia

37.6311, 0.2335, 0.3055

Trichromacy



Original Color

37.6822, 0.2135, 0.2154

Protanomaly

37.3602, 0.2232, 0.2156

Deuteranomaly

37.5750, 0.2175, 0.2140

Tritanomaly

37.5491, 0.2255, 0.2690

Monochromacy



Original Color

37.6822, 0.2135, 0.2154

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.7433, 0.2670, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6822, 0.2135, 0.2154 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 167, 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, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6822, 0.2135, 0.2154 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, 167, 255) }
```

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

```
.border{ border-color:rgb(102, 167, 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, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6822, 0.2135, 0.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 167, 255) }
```

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

```
.background{ background-color: rgb(102,  
167, 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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