

Converting Colors

$Y_{xy}(36.2285, 0.2123, 0.2100)$

Have a look what the booklet for
Yxy(36.2285, 0.2123, 0.2100)
contains.

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Color

Yxy(36.2392, 0.2123, 0.2100)

Conversions

Conversions Part 1

Format	Color
Hex	66A3FF
RGB	102, 163, 255
RGB Percent	40%, 64%, 100%
CMY	0.5997, 0.3608, 0.0000
CMYK	0.60, 0.36, 0.00, 0.00
HSL	216°, 100%, 70%
HSV	216°, 60%, 100%
XYZ	36.6361, 36.2392, 99.6923
YIQ	155.2490, -65.8880, 15.6800

Conversions

Conversions Part 2

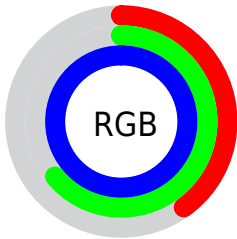
Format	Color
RYB	102, 146, 255
Decimal	6726655
CIELab	66.70, 7.41, -51.62
CIElCh	67, 52.145, 278.166
Yxy	36.2392, 0.2123, 0.2100
Android (android.graphics.Color)	4284916735 (0xFF66A3FF)
YUV	155.2490, 49.1772, -46.6994
Hunter-Lab	60.1990, 3.2839, -56.0477

Details

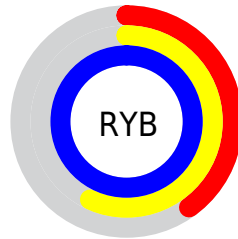
The Yxy color **36.2392, 0.2123, 0.2100** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.8477, 0.4347, 0.4202**, and the grayscale version is **32.7016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1493, 0.2559, 0.2864**, and **15.8361, 0.1859, 0.1804** is the 20% darker color. If you saturate the color by 10%, you get **29.8479, 0.1974, 0.1864**, and if you desaturate by 10%, it is **43.7489, 0.2288, 0.2334**.

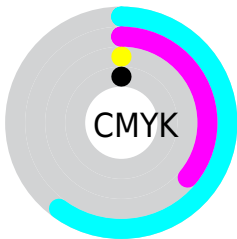
Distribution



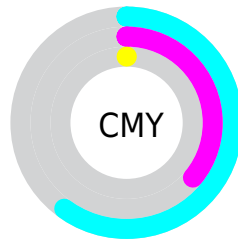
- Red (40%)
- Green (64%)
- Blue (100%)



- Red (40%)
- Yellow (57%)
- Blue (100%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2392, 0.2123, 0.2100 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 36.2392, 0.2123, 0.2100 by changing the saturation by 10% instead.


 36.2392, 0.2123,
0.2100


 36.2392, 0.2123,
0.2100


330.0048, 0.2619,
0.2675

 24.6190, 0.2006,
0.1967


 69.4011, 0.2299,
0.2302

 15.7934, 0.1860,
0.1804


 91.7116, 0.2367,
0.2380

 9.3781, 0.1676,
0.1601


 118.3543, 0.2425,
0.2447

 4.9886, 0.1440,
0.1346

149.7136, 0.2474,
0.2505

 2.2406, 0.1136,
0.1025

186.1739, 0.2518,
0.2555

 0.7420, 0.0751,
0.0629

228.1196, 0.2556,

 0.0000, 0.0000,

0.2600

0.0000

275.9351, 0.2589,
0.2640

■ 36.2392, 0.2123,
0.2100

■ 36.2392, 0.2123,
0.2100

■ 29.8479, 0.1974,
0.1864

■ 43.7489, 0.2288,
0.2334

■ 24.5092, 0.1846,
0.1633

■ 52.4387, 0.2460,
0.2559

■ 20.1458, 0.1746,
0.1417

■ 62.3635, 0.2635,
0.2769

■ 16.6466, 0.1673,
0.1224

■ 73.5748, 0.2807,
0.2962

■ 16.6364, 0.1673,
0.1223

■ 86.1209, 0.2972,
0.3135

100.0000, 0.3127,
0.3290

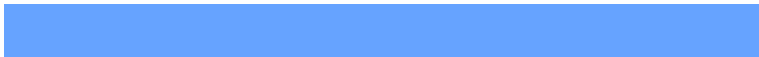
Harmonies

Analogous

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



36.2392, 0.1818, 0.2262



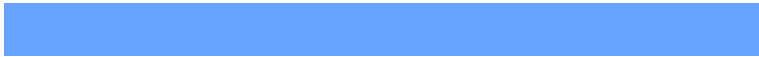
36.2392, 0.2123, 0.2100



36.2392, 0.2705, 0.2195

Triad

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



36.2392, 0.2123, 0.2100



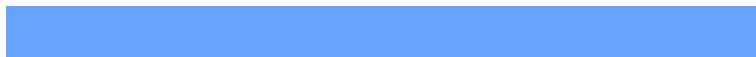
36.2392, 0.4668, 0.3543



36.2392, 0.2649, 0.4318

Complementary

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



36.2392, 0.2123, 0.2100



60.8477, 0.4347, 0.4202

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.



36.2392, 0.3392, 0.4741



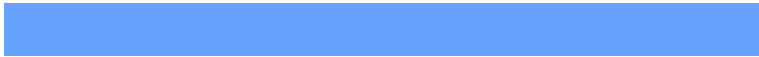
36.2392, 0.2123, 0.2100



36.2392, 0.4589, 0.4119

Square

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



36.2392, 0.2123, 0.2100



36.2392, 0.4252, 0.2982



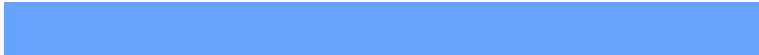
36.2392, 0.4103, 0.4597



36.2392, 0.2077, 0.3494

Rectangle

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



36.2392, 0.2123, 0.2100



36.2392, 0.3217, 0.2382



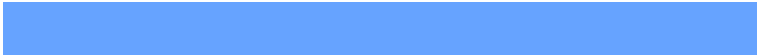
36.2392, 0.4103, 0.4597



36.2392, 0.2887, 0.4523

Sweetspot

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



36.2388, 0.2123, 0.2100



75.9366, 0.2840, 0.2997



78.2371, 0.2647, 0.4063



15.5099, 0.2791, 0.2944



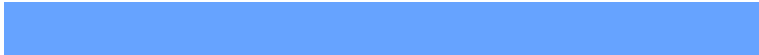
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.2388, 0.2123, 0.2100



28.6801, 0.1946, 0.1816



20.5468, 0.2044, 0.1391



18.5649, 0.2979, 0.3143



8.9649, 0.1682, 0.1253



1.0794, 0.1744, 0.1477

Inverse Universe

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



33.4228, 0.4231, 0.2688



27.8472, 0.4591, 0.2631



90.9552, 0.3870, 0.4757



18.1069, 0.3231, 0.3196



11.6330, 0.5391, 0.2744



1.1535, 0.5089, 0.2577

Previews

White Background



This preview shows how the Yxy color 36.2392, 0.2123, 0.2100 looks on a white background.

Color Contrast Check

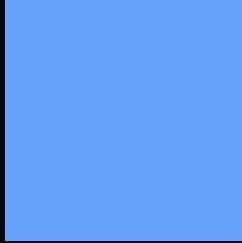
Large Text (above 18pt) WCAG AA × Fail

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 36.2392, 0.2123, 0.2100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

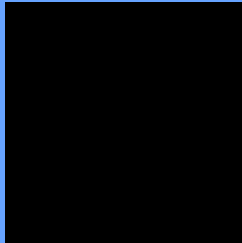
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

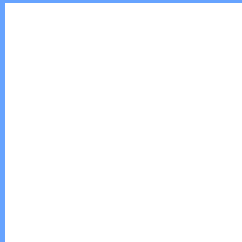
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2392, 0.2123, 0.2100

Background



This preview shows how black text looks on a background with the Yxy color 36.2392, 0.2123, 0.2100.



This preview shows how white text looks on a background with the Yxy color 36.2392, 0.2123, 0.2100.

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

36.2392, 0.2123, 0.2100

Protanopia

36.0079, 0.2257, 0.2109

Deuteranopia

36.3757, 0.2156, 0.2097



Tritanopia

36.1848, 0.2336, 0.3067

Trichromacy



Original Color

36.2392, 0.2123, 0.2100

Protanomaly

36.0918, 0.2209, 0.2112

Deuteranomaly

36.1865, 0.2142, 0.2093

Tritanomaly

35.8657, 0.2246, 0.2654

Monochromacy



Original Color

36.2392, 0.2123, 0.2100

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.4495, 0.2664, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2392, 0.2123, 0.2100 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, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 163, 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, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.2392, 0.2123, 0.2100 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, 163, 255) }
```

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

```
.border{ border-color:rgb(102, 163, 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, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2392, 0.2123, 0.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 163, 255) }
```

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

```
.background{ background-color: rgb(102,  
163, 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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