

Converting Colors

$Y_{xy}(36.4491, 0.2225, 0.2083)$

Have a look what the booklet for
Yxy(36.4491, 0.2225, 0.2083)
contains.

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Color

Yxy(36.3762, 0.2225, 0.2080)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7D9FFF |
| RGB | 125, 159, 255 |
| RGB Percent | 49%, 62%, 100% |
| CMY | 0.5097, 0.3765, 0.0000 |
| CMYK | 0.51, 0.38, 0.00, 0.00 |
| HSL | 224°, 100%, 75% |
| HSV | 224°, 51%, 100% |
| XYZ | 38.9120, 36.3762, 99.5973 |
| YIQ | 159.7780, -51.0800, 22.6480 |

Conversions

Conversions Part 2

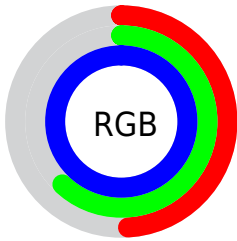
| Format | Color |
|-------------------------------------|---|
| RYB | 125, 152, 255 |
| Decimal | 8232959 |
| CIELab | 66.81, 14.34, -51.38 |
| CIElCh | 67, 53.340, 285.598 |
| Yxy | 36.3762, 0.2225, 0.2080 |
| Android (android.graphics.Color) | 4286423039 (0xFF7D9FFF) |
| YUV | 159.7780, 46.9444, -30.5003 |
| Hunter-Lab | 60.3127, 9.6160, -55.6896 |

Details

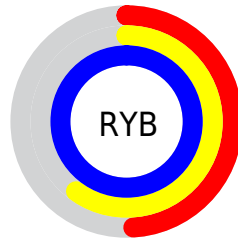
The Yxy color **36.3762, 0.2225, 0.2080** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.4800, 0.4038, 0.4247**, and the grayscale version is **34.8467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9988, 0.2673, 0.2820**, and **15.8923, 0.1983, 0.1783** is the 20% darker color. If you saturate the color by 10%, you get **28.7038, 0.2044, 0.1796**, and if you desaturate by 10%, it is **45.5280, 0.2414, 0.2358**.

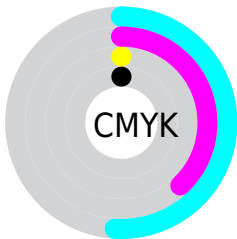
Distribution



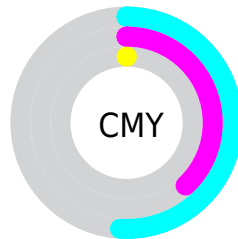
- Red (49%)
- Green (62%)
- Blue (100%)



- Red (49%)
- Yellow (60%)
- Blue (100%)



- Cyan (51%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3762, 0.2225, 0.2080 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 36.3762, 0.2225, 0.2080 by changing the saturation by 10% instead.

 36.3762, 0.2225,
0.2080


 36.3762, 0.2225,
0.2080


330.6019, 0.2676,
0.2659

 24.7249, 0.2117,
0.1948


 69.6123, 0.2386,
0.2282

 15.8722, 0.1982,
0.1786


 91.9659, 0.2448,
0.2360

 9.4338, 0.1809,
0.1585

 118.6557, 0.2500,
0.2428

 5.0252, 0.1586,
0.1333

150.0662, 0.2545,
0.2486

 2.2620, 0.1291,
0.1017

186.5816, 0.2584,
0.2537

 0.7535, 0.0906,
0.0628

228.5864, 0.2619,

 0.0000, 0.0026,

0.2583


0.0000


276.4651, 0.2649,
0.2623


 0.0000, 0.0000,
0.0000


 36.3762, 0.2225,
0.2080


 36.3762, 0.2225,
0.2080


 28.7038, 0.2044,
0.1796

 45.5280, 0.2414,
0.2358


 22.4286, 0.1880,
0.1519


 56.2361, 0.2603,
0.2620


 17.4581, 0.1743,
0.1263

 68.5710, 0.2784,
0.2862

 13.6872, 0.1640,
0.1042

 82.5987, 0.2955,
0.3079

 11.1890, 0.1578,
0.0881

 98.3816, 0.3113,
0.3273

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.



36.3762, 0.1845, 0.2175



36.3762, 0.2225, 0.2080



36.3762, 0.2880, 0.2235

Triad

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



36.3762, 0.2225, 0.2080



36.3762, 0.4727, 0.3690



36.3762, 0.2470, 0.4154

Complementary

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



36.3762, 0.2225, 0.2080



74.4800, 0.4038, 0.4247

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.



36.3762, 0.3201, 0.4726



36.3762, 0.2225, 0.2080



36.3762, 0.4525, 0.4267

Square

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



36.3762, 0.2225, 0.2080



36.3762, 0.4425, 0.3110



36.3762, 0.3953, 0.4704



36.3762, 0.1957, 0.3282

Rectangle

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



36.3762, 0.2225, 0.2080



36.3762, 0.3426, 0.2458



36.3762, 0.3953, 0.4704



36.3762, 0.2698, 0.4403

Sweetspot

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



36.3759, 0.2225, 0.2080



76.7309, 0.2888, 0.2995



81.0684, 0.2613, 0.3704



15.7914, 0.2851, 0.2949



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.



36.3759, 0.2225, 0.2080



28.6796, 0.2043, 0.1795



28.9016, 0.2348, 0.1741



18.1492, 0.2979, 0.3109



6.0507, 0.1586, 0.0908



0.7576, 0.1644, 0.1119

Inverse Universe

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



38.4399, 0.4199, 0.2943



32.1652, 0.4546, 0.2897



88.9571, 0.3663, 0.4627



18.0650, 0.3253, 0.3228



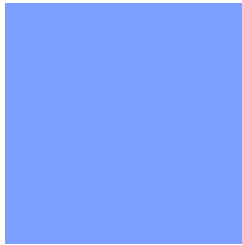
11.3388, 0.5900, 0.3024



1.1210, 0.5583, 0.2849

Previews

White Background



This preview shows how the Yxy color 36.3762, 0.2225, 0.2080 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 36.3762, 0.2225, 0.2080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

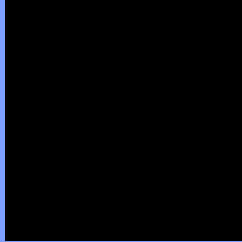
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

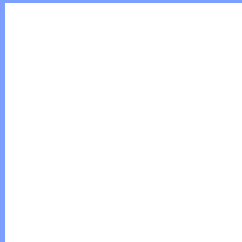
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.3762, 0.2225, 0.2080

Background



This preview shows how black text looks on a background with the Yxy color 36.3762, 0.2225, 0.2080.



This preview shows how white text looks on a background with the Yxy color 36.3762, 0.2225, 0.2080.

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

36.3762, 0.2225, 0.2080

Protanopia

36.4519, 0.2230, 0.2082

Deuteranopia

36.4412, 0.2170, 0.2109



Tritanopia

36.3586, 0.2493, 0.3072

Trichromacy



Original Color

36.3762, 0.2225, 0.2080

Protanomaly

36.4519, 0.2230, 0.2082

Deuteranomaly

36.4274, 0.2192, 0.2103

Tritanomaly

36.1382, 0.2383, 0.2655

Monochromacy



Original Color

36.3762, 0.2225, 0.2080

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.2848, 0.2727, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3762, 0.2225, 0.2080 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(125, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 159, 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(125, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 159, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.3762, 0.2225, 0.2080 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(125, 159, 255) }
```

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

```
.border{ border-color:rgb(125, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 159,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3762, 0.2225, 0.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 159, 255) }
```

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

```
.background{ background-color: rgb(125,  
159, 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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