

Converting Colors

$Yxy(37.7756, 0.2361, 0.2245)$

Have a look what the booklet for
Yxy(37.7756, 0.2361, 0.2245)
contains.

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Color

Yxy(37.7756, 0.2361, 0.2245)

Conversions

Conversions Part 1

Format	Color
Hex	8AA2F4
RGB	138, 162, 244
RGB Percent	54%, 64%, 96%
CMY	0.4588, 0.3647, 0.0432
CMYK	0.43, 0.34, 0.00, 0.04
HSL	226°, 83%, 75%
HSV	226°, 43%, 96%
XYZ	39.7275, 37.7756, 90.7624
YIQ	164.1720, -40.6260, 20.4140

Conversions

Conversions Part 2

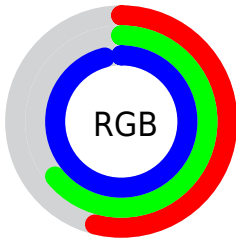
Format	Color
R _Y B	138, 158, 244
Decimal	9085684
CIE Lab	67.85, 12.40, -43.65
CIE LCh	68, 45.375, 285.857
Yxy	37.7756, 0.2361, 0.2245
Android (android.graphics.Color)	4287275764 (0xFF8AA2F4)
YUV	164.1720, 39.3552, -22.9528
Hunter-Lab	61.4619, 7.8199, -44.5319

Details

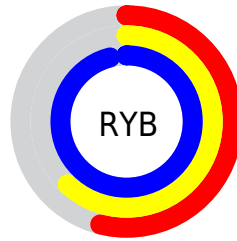
The Yxy color **37.7756, 0.2361, 0.2245** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.2349, 0.3875, 0.4148**, and the grayscale version is **37.0354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4478, 0.2744, 0.2874**, and **16.7506, 0.2154, 0.1990** is the 20% darker color. If you saturate the color by 10%, you get **29.7669, 0.2169, 0.1953**, and if you desaturate by 10%, it is **47.2521, 0.2553, 0.2524**.

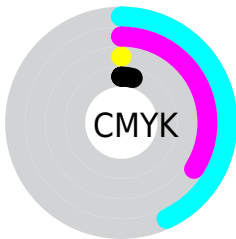
Distribution



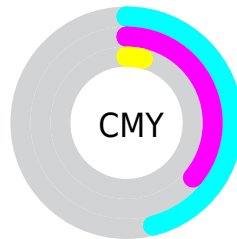
- Red (54%)
- Green (64%)
- Blue (96%)



- Red (54%)
- Yellow (62%)
- Blue (96%)



- Cyan (43%)
- Magenta (34%)
- Yellow (0%)
- Black (4%)



- Cyan (46%)
- Magenta (36%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7756, 0.2361, 0.2245 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 37.7756, 0.2361, 0.2245 by changing the saturation by 10% instead.

■ 37.7756, 0.2361,
0.2245

■ 37.7756, 0.2361,
0.2245

■ 336.6564, 0.2746,
0.2751

■ 25.8086, 0.2267,
0.2127

■ 71.7641, 0.2500,
0.2423

■ 16.6805, 0.2148,
0.1980

■ 94.5543, 0.2553,
0.2492

■ 10.0069, 0.1995,
0.1795

■ 121.7210, 0.2597,
0.2551

■ 5.4036, 0.1791,
0.1557

■ 153.6487, 0.2636,
0.2602

■ 2.4859, 0.1512,
0.1246

■ 190.7217, 0.2669,
0.2646

■ 0.8696, 0.1126,
0.0842

■ 233.3243, 0.2698,

■ 0.0000, 0.0180,

0.2685


0.0000


281.8411, 0.2724,
0.2720


 0.0000, 0.0000,
0.0000


 37.7756, 0.2361,
0.2245


 37.7756, 0.2361,
0.2245

 29.7669, 0.2169,
0.1953

 47.2521, 0.2553,
0.2524


 23.1459, 0.1987,
0.1660

 58.2626, 0.2739,
0.2782


 17.8308, 0.1826,
0.1380

 70.8740, 0.2914,
0.3016

 13.7286, 0.1695,
0.1130

 85.1480, 0.3075,
0.3224

 10.7323, 0.1602,
0.0925

 99.3099, 0.3191,
0.3396

■ 9.2868, 0.1561,
0.0819

Harmonies

Analogous

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



37.7756, 0.2022, 0.2335



37.7756, 0.2361, 0.2245



37.7756, 0.2930, 0.2380

Triad

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



37.7756, 0.2361, 0.2245



37.7756, 0.4479, 0.3665



37.7756, 0.2575, 0.3998

Complementary

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



37.7756, 0.2361, 0.2245



72.2349, 0.3875, 0.4148

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.



37.7756, 0.3203, 0.4473



37.7756, 0.2361, 0.2245



37.7756, 0.4323, 0.4154

Square

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



37.7756, 0.2361, 0.2245



37.7756, 0.4221, 0.3154



37.7756, 0.3845, 0.4492



37.7756, 0.2125, 0.3290

Rectangle

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



37.7756, 0.2361, 0.2245



37.7756, 0.3391, 0.2577



37.7756, 0.3845, 0.4492



37.7756, 0.2771, 0.4200

Sweetspot

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



37.7770, 0.2361, 0.2245



78.9629, 0.2921, 0.3025



75.2158, 0.2654, 0.3588



16.2041, 0.2883, 0.2976



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.



37.7770, 0.2361, 0.2245



33.9840, 0.2194, 0.1992



32.8446, 0.2515, 0.2005



16.5355, 0.2979, 0.3101



5.2189, 0.1567, 0.0842



0.6073, 0.1630, 0.1067

Inverse Universe

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



40.0160, 0.4007, 0.3030



37.5587, 0.4288, 0.2985



81.0751, 0.3571, 0.4442



16.5440, 0.3258, 0.3237



10.6262, 0.6002, 0.3080



0.9489, 0.5659, 0.2891

Previews

White Background



This preview shows how the Yxy color 37.7756, 0.2361, 0.2245 looks on a white background.

Color Contrast Check

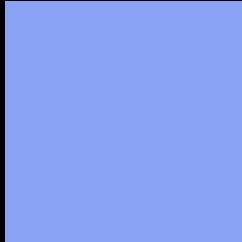
Large Text (above 18pt) WCAG AA × Fail

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 37.7756, 0.2361, 0.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

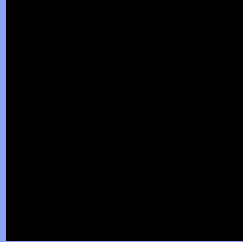
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7756, 0.2361, 0.2245

Background



This preview shows how black text looks on a background with the Yxy color 37.7756, 0.2361, 0.2245.



This preview shows how white text looks on a background with the Yxy color 37.7756, 0.2361, 0.2245.

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

37.7756, 0.2361, 0.2245

Protanopia

37.6907, 0.2355, 0.2243

Deuteranopia

37.9079, 0.2323, 0.2260



Tritanopia

37.6860, 0.2622, 0.3080

Trichromacy



Original Color

37.7756, 0.2361, 0.2245

Protanomaly

37.6907, 0.2355, 0.2243

Deuteranomaly

37.7944, 0.2339, 0.2251

Tritanomaly

37.5192, 0.2515, 0.2737

Monochromacy



Original Color

37.7756, 0.2361, 0.2245

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.0132, 0.2811, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7756, 0.2361, 0.2245 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(138, 162, 244)` looks like.

```
.text, #text, p{  
    color:rgb(138, 162, 244)  
}
```

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(138, 162, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 162, 244) }
```

Border

The CSS property to change the border of an element to Yxy 37.7756, 0.2361, 0.2245 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(138, 162, 244) }
```

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

```
.border{ border-color:rgb(138, 162, 244) }
```

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

Here you see how a box with a 4 pixel rgb(138, 162, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 162, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 162, 244);  
box-shadow:4px 4px 4px 4px rgb(138, 162,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7756, 0.2361, 0.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 162, 244) }
```

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

```
.background{ background-color: rgb(138,  
162, 244) }
```

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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