

Converting Colors

$Y_{xy}(38.0412, 0.2421, 0.2298)$

Have a look what the booklet for
Yxy(38.0412, 0.2421, 0.2298)
contains.

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Color

Yxy(38.0612, 0.2420, 0.2295)

Conversions

Conversions Part 1

Format	Color
Hex	90A2F0
RGB	144, 162, 240
RGB Percent	56%, 64%, 94%
CMY	0.4357, 0.3646, 0.0589
CMYK	0.40, 0.32, 0.00, 0.06
HSL	229°, 76%, 75%
HSV	229°, 40%, 94%
XYZ	40.1343, 38.0612, 87.6486
YIQ	165.5100, -35.7660, 20.4420

Conversions

Conversions Part 2

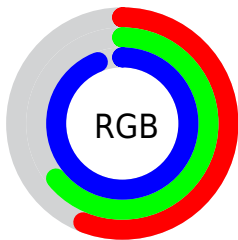
Format	Color
RYB	144, 159, 240
Decimal	9478896
CIELab	68.07, 12.76, -41.11
CIELCh	68, 43.042, 287.246
Yxy	38.0612, 0.2420, 0.2295
Android (android.graphics.Color)	4287668976 (0xFF90A2F0)
YUV	165.5100, 36.7236, -18.8643
Hunter-Lab	61.6938, 8.1573, -41.0479

Details

The Yxy color **38.0612, 0.2420, 0.2295** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.6936, 0.3796, 0.4117**, and the grayscale version is **37.7111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2632, 0.2782, 0.2878**, and **16.9534, 0.2222, 0.2041** is the 20% darker color. If you saturate the color by 10%, you get **29.7901, 0.2223, 0.1994**, and if you desaturate by 10%, it is **47.8562, 0.2614, 0.2581**.

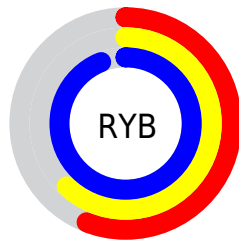
Distribution



Red (56%)

Green (64%)

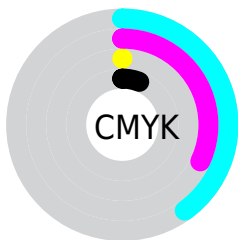
Blue (94%)



Red (56%)

Yellow (62%)

Blue (94%)

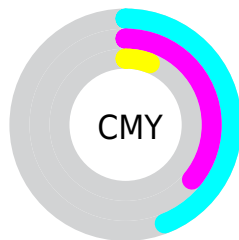


Cyan (40%)

Magenta (32%)

Yellow (0%)

Black (6%)



Cyan (44%)

Magenta (36%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0612, 0.2420, 0.2295 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 38.0612, 0.2420, 0.2295 by changing the saturation by 10% instead.

■ 38.0612, 0.2420,
0.2295

■ 38.0612, 0.2420,
0.2295

■ 337.8824, 0.2777,
0.2778

■ 26.0302, 0.2332,
0.2181

■ 72.2019, 0.2549,
0.2466

■ 16.8462, 0.2221,
0.2040

■ 95.0804, 0.2598,
0.2531

■ 10.1249, 0.2076,
0.1861

■ 122.3436, 0.2639,
0.2587

■ 5.4819, 0.1881,
0.1629

■ 154.3757, 0.2675,
0.2636

■ 2.5327, 0.1612,
0.1321

■ 191.5613, 0.2706,
0.2678

■ 0.8929, 0.1231,
0.0914

■ 234.2847, 0.2732,

■ 0.0000, 0.0276,

0.2715


0.0000

282.9303, 0.2756,
0.2748


 0.0000, 0.0000,
0.0000

 38.0612, 0.2420,
0.2295


 38.0612, 0.2420,
0.2295


 29.7901, 0.2223,
0.1994


 47.8562, 0.2614,
0.2581

 22.9607, 0.2032,
0.1688

 59.2433, 0.2799,
0.2844

 17.4891, 0.1859,
0.1395

 72.2915, 0.2971,
0.3080

 13.2806, 0.1715,
0.1132

 87.0645, 0.3127,
0.3289

 10.2273, 0.1610,
0.0916

 99.0697, 0.3215,
0.3435

■ 8.1878, 0.1544,
0.0758

Harmonies

Analogous

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



38.0612, 0.2083, 0.2374



38.0612, 0.2420, 0.2295



38.0612, 0.2972, 0.2433

Triad

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



38.0612, 0.2420, 0.2295



38.0612, 0.4410, 0.3676



38.0612, 0.2581, 0.3929

Complementary

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



38.0612, 0.2420, 0.2295



72.6936, 0.3796, 0.4117

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.



38.0612, 0.3174, 0.4392



38.0612, 0.2420, 0.2295



38.0612, 0.4249, 0.4136

Square

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



38.0612, 0.2420, 0.2295



38.0612, 0.4181, 0.3187



38.0612, 0.3787, 0.4437



38.0612, 0.2161, 0.3263

Rectangle

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



38.0612, 0.2420, 0.2295



38.0612, 0.3410, 0.2627



38.0612, 0.3787, 0.4437



38.0612, 0.2766, 0.4122

Sweetspot

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



38.0626, 0.2420, 0.2295



79.8215, 0.2937, 0.3035



73.4336, 0.2668, 0.3521



16.6522, 0.2915, 0.3005



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.



38.0626, 0.2420, 0.2295



35.8484, 0.2260, 0.2051



35.0610, 0.2600, 0.2127



15.7112, 0.2980, 0.3092



4.6250, 0.1550, 0.0779



0.5164, 0.1612, 0.1001

Inverse Universe

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



41.0487, 0.3946, 0.3091



40.3157, 0.4207, 0.3053



78.1874, 0.3517, 0.4359



15.8076, 0.3264, 0.3246



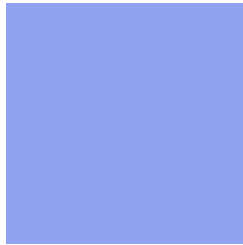
10.2602, 0.6103, 0.3136



0.8668, 0.5757, 0.2945

Previews

White Background



This preview shows how the Yxy color 38.0612, 0.2420, 0.2295 looks on a white background.

Color Contrast Check

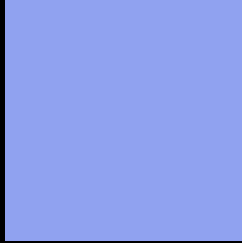
Large Text (above 18pt) WCAG AA × Fail

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 38.0612, 0.2420, 0.2295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

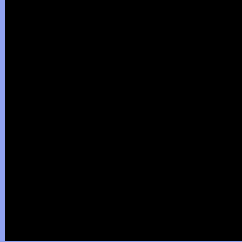
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0612, 0.2420, 0.2295

Background



This preview shows how black text looks on a background with the Yxy color 38.0612, 0.2420, 0.2295.



This preview shows how white text looks on a background with the Yxy color 38.0612, 0.2420, 0.2295.

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

38.0612, 0.2420, 0.2295

Protanopia

38.1207, 0.2391, 0.2291

Deuteranopia

38.0764, 0.2374, 0.2308



Tritanopia

38.1781, 0.2678, 0.3097

Trichromacy



Original Color

38.0612, 0.2420, 0.2295

Protanomaly

38.2080, 0.2398, 0.2293

Deuteranomaly

37.9746, 0.2390, 0.2300

Tritanomaly

37.9831, 0.2575, 0.2769

Monochromacy



Original Color

38.0612, 0.2420, 0.2295

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.5248, 0.2836, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0612, 0.2420, 0.2295 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(144, 162, 240)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 240)  
}
```

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(144, 162, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 240) }
```

Border

The CSS property to change the border of an element to Yxy 38.0612, 0.2420, 0.2295 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(144, 162, 240) }
```

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

```
.border{ border-color:rgb(144, 162, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 162, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 162, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 162, 240); box-shadow:4px 4px 4px 4px rgb(144, 162, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0612, 0.2420, 0.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 240) }
```

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

```
.background{ background-color: rgb(144,  
162, 240) }
```

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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