

Converting Colors

$Yxy(38.7345, 0.2527, 0.2732)$

Have a look what the booklet for
Yxy(38.7345, 0.2527, 0.2732)
contains.

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Color

Yxy(38.7345, 0.2527, 0.2732)

Conversions

Conversions Part 1

Format	Color
Hex	84ABD3
RGB	132, 171, 211
RGB Percent	52%, 67%, 83%
CMY	0.4826, 0.3293, 0.1725
CMYK	0.37, 0.19, 0.00, 0.17
HSL	210°, 47%, 67%
HSV	210°, 37%, 83%
XYZ	35.8280, 38.7345, 67.2183
YIQ	163.8990, -36.0840, 4.1720

Conversions

Conversions Part 2

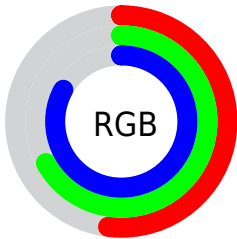
Format	Color
RYB	132, 158, 211
Decimal	8694739
CIELab	68.56, -3.29, -24.51
CIELCh	69, 24.726, 262.354
Yxy	38.7345, 0.2527, 0.2732
Android (android.graphics.Color)	4286884819 (0xFF84ABD3)
YUV	163.8990, 23.2208, -27.9754
Hunter-Lab	62.2370, -6.1578, -20.4694

Details

The Yxy color **38.7345, 0.2527, 0.2732** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.9853, 0.3851, 0.3786**, and the grayscale version is **36.9687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1775, 0.2705, 0.2970**, and **17.2562, 0.2361, 0.2574** is the 20% darker color. If you saturate the color by 10%, you get **33.3346, 0.2366, 0.2551**, and if you desaturate by 10%, it is **44.8068, 0.2691, 0.2901**.

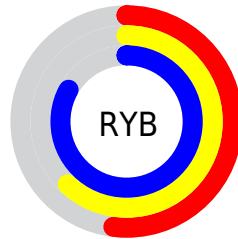
Distribution



Red (52%)

Green (67%)

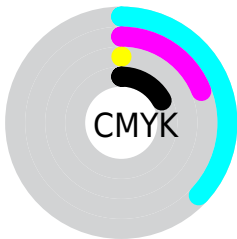
Blue (83%)



Red (52%)

Yellow (62%)

Blue (83%)

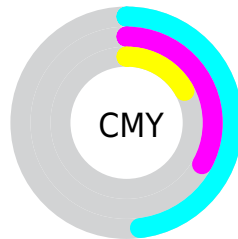


Cyan (37%)

Magenta (19%)

Yellow (0%)

Black (17%)



Cyan (48%)


Magenta (33%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7345, 0.2527, 0.2732 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 38.7345, 0.2527, 0.2732 by changing the saturation by 10% instead.


 38.7345, 0.2527,
0.2732


 38.7345, 0.2527,
0.2732


340.7604, 0.2830,
0.3016

 26.5532, 0.2451,
0.2660


 73.2325, 0.2637,
0.2836

 17.2380, 0.2355,
0.2567


 96.3181, 0.2678,
0.2875

 10.4043, 0.2227,
0.2444

 123.8073, 0.2713,
0.2908

 5.6678, 0.2051,
0.2272

156.0844, 0.2743,
0.2936

 2.6442, 0.1796,
0.2020

193.5339, 0.2769,
0.2960

 0.9489, 0.1406,
0.1626

236.5401, 0.2792,

 0.0000, 0.0000,

0.2981

0.0000

285.4875, 0.2812,
0.3000

■ 38.7345, 0.2527,
0.2732

■ 38.7345, 0.2527,
0.2732

■ 33.3346, 0.2366,
0.2551

■ 44.8068, 0.2691,
0.2901

■ 28.5740, 0.2213,
0.2359

■ 51.5734, 0.2854,
0.3055

■ 24.4232, 0.2073,
0.2162

■ 59.0607, 0.3013,
0.3195

■ 20.8477, 0.1952,
0.1964

■ 67.2923, 0.3165,
0.3320

■ 17.8082, 0.1854,
0.1771

■ 76.2903, 0.3309,
0.3431

■ 15.2535, 0.1779,
0.1589

■ 85.4005, 0.3420,
0.3531

■ 14.6664, 0.1762,
0.1544

■ 91.6957, 0.3402,
0.3633

■ 97.4834, 0.3388,
0.3721

Harmonies

Analogous

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



38.7345, 0.2443, 0.2919



38.7345, 0.2527, 0.2732



38.7345, 0.2764, 0.2694

Triad

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



38.7345, 0.2527, 0.2732



38.7345, 0.3762, 0.3298



38.7345, 0.3110, 0.3861

Complementary

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



38.7345, 0.2527, 0.2732



44.9853, 0.3851, 0.3786

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.



38.7345, 0.3472, 0.3950



38.7345, 0.2527, 0.2732



38.7345, 0.3862, 0.3597

Square

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



38.7345, 0.2527, 0.2732



38.7345, 0.3480, 0.3012



38.7345, 0.3751, 0.3841



38.7345, 0.2767, 0.3587

Rectangle

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



38.7345, 0.2527, 0.2732



38.7345, 0.2987, 0.2748



38.7345, 0.3751, 0.3841



38.7345, 0.3233, 0.3914

Sweetspot

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



38.7360, 0.2527, 0.2732



86.3447, 0.2955, 0.3146



54.4484, 0.2835, 0.3840



18.1420, 0.2934, 0.3127



0.0000, 0.0000, 0.0000



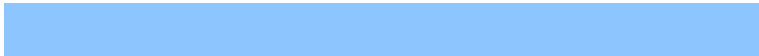
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7360, 0.2527, 0.2732



52.7390, 0.2398, 0.2588



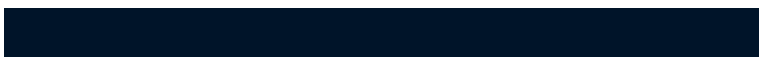
26.0859, 0.2444, 0.2161



12.3691, 0.2982, 0.3169



9.0553, 0.1770, 0.1570



0.6650, 0.1863, 0.1906

Inverse Universe

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



33.2734, 0.3584, 0.2809



44.1195, 0.3726, 0.2707



62.1041, 0.3686, 0.4215



11.9043, 0.3214, 0.3176



8.9854, 0.4969, 0.2511



0.5184, 0.4560, 0.2286

Previews

White Background



This preview shows how the Yxy color 38.7345, 0.2527, 0.2732 looks on a white background.

Color Contrast Check

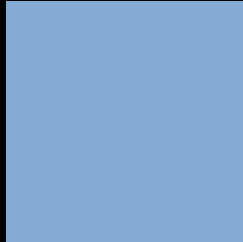
Large Text (above 18pt) WCAG AA × Fail

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 38.7345, 0.2527, 0.2732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

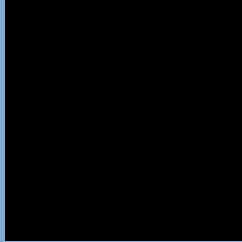
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

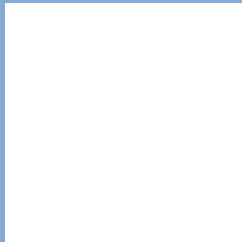
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7345, 0.2527, 0.2732

Background



This preview shows how black text looks on a background with the Yxy color 38.7345, 0.2527, 0.2732.

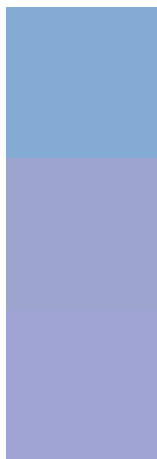


This preview shows how white text looks on a background with the Yxy color 38.7345, 0.2527, 0.2732.

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

38.7345, 0.2527, 0.2732

Protanopia

38.5834, 0.2727, 0.2724

Deuteranopia

38.7259, 0.2699, 0.2641



Tritanopia

38.7697, 0.2633, 0.3083

Trichromacy



Original Color

38.7345, 0.2527, 0.2732

Protanomaly

38.4874, 0.2653, 0.2729

Deuteranomaly

38.7805, 0.2634, 0.2681

Tritanomaly

38.8925, 0.2594, 0.2957

Monochromacy



Original Color

38.7345, 0.2527, 0.2732

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6490, 0.2880, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7345, 0.2527, 0.2732 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(132, 171, 211)` looks like.

```
.text, #text, p{  
    color:rgb(132, 171, 211)  
}
```

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(132, 171, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 171, 211) }
```

Border

The CSS property to change the border of an element to Yxy 38.7345, 0.2527, 0.2732 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(132, 171, 211) }
```

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

```
.border{ border-color:rgb(132, 171, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 171, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 171, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 171, 211);  
box-shadow:4px 4px 4px 4px rgb(132, 171,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7345, 0.2527, 0.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 171, 211) }
```

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

```
.background{ background-color: rgb(132,  
171, 211) }
```

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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