

Converting Colors

$Y_{xy}(39.8765, 0.2520, 0.2777)$

Have a look what the booklet for
Yxy(39.8765, 0.2520, 0.2777)
contains.

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Color

Yxy(39.7211, 0.2521, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	82AED3
RGB	130, 174, 211
RGB Percent	51%, 68%, 83%
CMY	0.4901, 0.3176, 0.1727
CMYK	0.38, 0.18, 0.00, 0.17
HSL	207°, 48%, 67%
HSV	207°, 38%, 83%
XYZ	36.0984, 39.7211, 67.3712
YIQ	165.0620, -38.1010, 2.1790

Conversions

Conversions Part 2

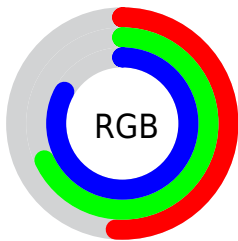
Format	Color
RYB	130, 159, 211
Decimal	8564435
CIELab	69.27, -5.45, -23.41
CIElCh	69, 24.034, 256.888
Yxy	39.7211, 0.2521, 0.2774
Android (android.graphics.Color)	4286754515 (0xFF82AED3)
YUV	165.0620, 22.6474, -30.7494
Hunter-Lab	63.0247, -8.0545, -19.2617

Details

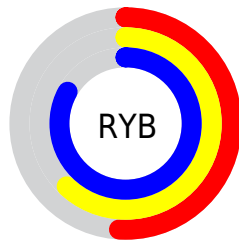
The Yxy color **39.7211, 0.2521, 0.2774** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.0879, 0.3891, 0.3751**, and the grayscale version is **37.5631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5729, 0.2697, 0.3003**, and **17.8559, 0.2349, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **34.6316, 0.2366, 0.2611**, and if you desaturate by 10%, it is **45.4227, 0.2680, 0.2927**.

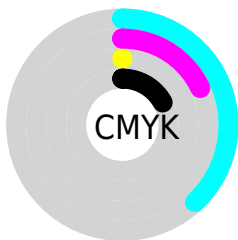
Distribution



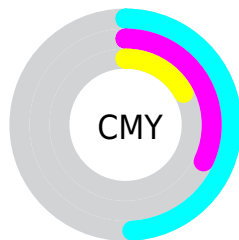
- Red (51%)
- Green (68%)
- Blue (83%)



- Red (51%)
- Yellow (62%)
- Blue (83%)



- Cyan (38%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)





- Cyan (49%)
- Magenta (32%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7211, 0.2521, 0.2774 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 39.7211, 0.2521, 0.2774 by changing the saturation by 10% instead.


 39.7211, 0.2521,
0.2774


 39.7211, 0.2521,
0.2774


344.9466, 0.2825,
0.3038

 27.3212, 0.2445,
0.2707


 74.7386, 0.2631,
0.2871

 17.8146, 0.2349,
0.2621


 98.1250, 0.2673,
0.2907

 10.8169, 0.2222,
0.2506


 125.9423, 0.2708,
0.2937

 5.9439, 0.2047,
0.2345

158.5749, 0.2738,
0.2963

 2.8110, 0.1796,
0.2108

196.4073, 0.2764,
0.2986

 1.0339, 0.1412,
0.1733

239.8238, 0.2787,

 0.0000, 0.0000,

0.3005

0.0000

289.2088, 0.2807,
0.3022

■ 39.7211, 0.2521,
0.2774

■ 39.7211, 0.2521,
0.2774

■ 34.6316, 0.2366,
0.2611

■ 45.4227, 0.2680,
0.2927

■ 30.1230, 0.2221,
0.2438

■ 51.7564, 0.2841,
0.3067

■ 26.1677, 0.2090,
0.2261

■ 58.7468, 0.2999,
0.3194

■ 22.7332, 0.1978,
0.2082

■ 66.4157, 0.3152,
0.3308

■ 19.7822, 0.1887,
0.1907

■ 74.7836, 0.3298,
0.3409

■ 17.2613, 0.1819,
0.1738

■ 83.5656, 0.3425,
0.3500

■ 16.8795, 0.1809,
0.1711

■ 89.1327, 0.3410,
0.3593

■ 95.0016, 0.3394,
0.3684

■ 97.4816, 0.3388,
0.3721

Harmonies

Analogous

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



39.7211, 0.2469, 0.2980



39.7211, 0.2521, 0.2774



39.7211, 0.2726, 0.2710

Triad

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



39.7211, 0.2521, 0.2774



39.7211, 0.3701, 0.3245



39.7211, 0.3176, 0.3870

Complementary

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



39.7211, 0.2521, 0.2774



43.0879, 0.3891, 0.3751

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.



39.7211, 0.3518, 0.3920



39.7211, 0.2521, 0.2774



39.7211, 0.3833, 0.3537

Square

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



39.7211, 0.2521, 0.2774



39.7211, 0.3406, 0.2978



39.7211, 0.3762, 0.3787



39.7211, 0.2835, 0.3633

Rectangle

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



39.7211, 0.2521, 0.2774



39.7211, 0.2930, 0.2746



39.7211, 0.3762, 0.3787



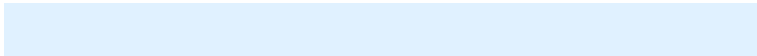
39.7211, 0.3295, 0.3909

Sweetspot

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



39.7226, 0.2521, 0.2774



86.0578, 0.2940, 0.3147



54.0900, 0.2853, 0.3915



18.1149, 0.2919, 0.3131



0.0000, 0.0000, 0.0000



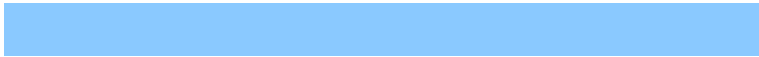
21.4041, 0.3127, 0.3290

Same Dimension

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



39.7226, 0.2521, 0.2774



54.5748, 0.2395, 0.2642



26.5175, 0.2434, 0.2188



12.4668, 0.2983, 0.3181



10.3974, 0.1816, 0.1736



0.7390, 0.1902, 0.2046

Inverse Universe

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



32.8707, 0.3555, 0.2751



43.5886, 0.3685, 0.2639



60.0441, 0.3715, 0.4195



11.9142, 0.3207, 0.3164



9.1209, 0.4763, 0.2397



0.5259, 0.4401, 0.2198

Previews

White Background



This preview shows how the Yxy color 39.7211, 0.2521, 0.2774 looks on a white background.

Color Contrast Check

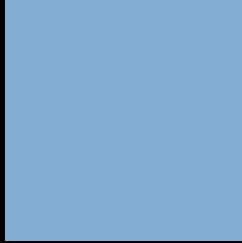
Large Text (above 18pt) WCAG AA × Fail

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 39.7211, 0.2521, 0.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

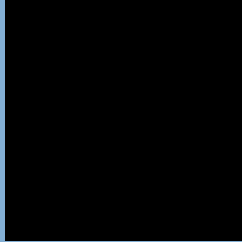
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

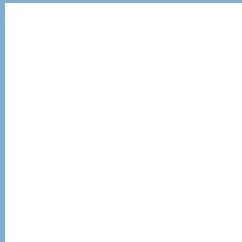
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7211, 0.2521, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 39.7211, 0.2521, 0.2774.



This preview shows how white text looks on a background with the Yxy color 39.7211, 0.2521, 0.2774.

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

39.7211, 0.2521, 0.2774

Protanopia

39.5672, 0.2760, 0.2767

Deuteranopia

39.3957, 0.2724, 0.2658



Tritanopia

39.6100, 0.2611, 0.3070

Trichromacy



Original Color

39.7211, 0.2521, 0.2774

Protanomaly

39.6931, 0.2665, 0.2772

Deuteranomaly

39.2428, 0.2643, 0.2696

Tritanomaly

39.6862, 0.2578, 0.2959

Monochromacy



Original Color

39.7211, 0.2521, 0.2774

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.0581, 0.2873, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7211, 0.2521, 0.2774 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(130, 174, 211)` looks like.

```
.text, #text, p{  
    color:rgb(130, 174, 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(130, 174, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 174, 211) }
```

Border

The CSS property to change the border of an element to Yxy 39.7211, 0.2521, 0.2774 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(130, 174, 211) }
```

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

```
.border{ border-color:rgb(130, 174, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 174, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 174, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 174, 211);  
box-shadow:4px 4px 4px 4px rgb(130, 174,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7211, 0.2521, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 174, 211) }
```

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

```
.background{ background-color: rgb(130,  
174, 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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