

Converting Colors

$Y_{xy}(37.1440, 0.2568, 0.2791)$

Have a look what the booklet for
Yxy(37.1440, 0.2568, 0.2791)
contains.

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Color

Yxy(37.1424, 0.2564, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	83A8CB
RGB	131, 168, 203
RGB Percent	51%, 66%, 80%
CMY	0.4862, 0.3412, 0.2038
CMYK	0.35, 0.17, 0.00, 0.20
HSL	209°, 41%, 65%
HSV	209°, 35%, 80%
XYZ	34.1460, 37.1424, 61.8862
YIQ	160.9270, -33.2870, 3.0410

Conversions

Conversions Part 2

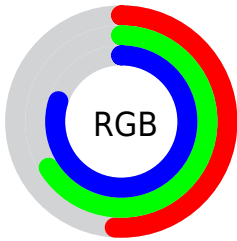
Format	Color
RYB	131, 155, 203
Decimal	8628427
CIELab	67.38, -3.97, -21.90
CIELCh	67, 22.261, 259.729
Yxy	37.1424, 0.2564, 0.2789
Android (android.graphics.Color)	4286818507 (0xFF83A8CB)
YUV	160.9270, 20.7420, -26.2460
Hunter-Lab	60.9446, -6.6432, -17.5449

Details

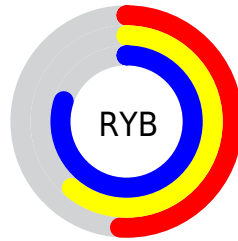
The Yxy color **37.1424, 0.2564, 0.2789** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.6279, 0.3808, 0.3741**, and the grayscale version is **35.5207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4345, 0.2696, 0.2936**, and **16.2804, 0.2393, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **32.1691, 0.2405, 0.2618**, and if you desaturate by 10%, it is **42.7132, 0.2726, 0.2948**.

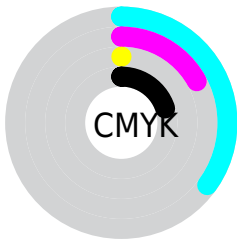
Distribution



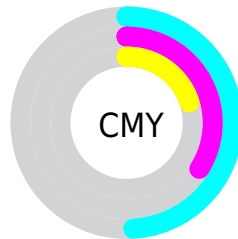
- Red (51%)
- Green (66%)
- Blue (80%)



- Red (51%)
- Yellow (61%)
- Blue (80%)



- Cyan (35%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)





- Cyan (49%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1424, 0.2564, 0.2789 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 37.1424, 0.2564, 0.2789 by changing the saturation by 10% instead.


 37.1424, 0.2564,
0.2789


 37.1424, 0.2564,
0.2789


333.9266, 0.2851,
0.3047


 25.3178, 0.2492,
0.2723


 70.7917, 0.2669,
0.2884

 16.3140, 0.2398,
0.2636


 93.3852, 0.2708,
0.2920

 9.7466, 0.2274,
0.2520


 120.3371, 0.2741,
0.2950

 5.2313, 0.2100,
0.2356

152.0319, 0.2769,
0.2975

 2.3836, 0.1844,
0.2110

188.8538, 0.2794,
0.2997

 0.8174, 0.1424,
0.1712

231.1873, 0.2815,

 0.0000, 0.0000,

0.3016

0.0000

279.4168, 0.2834,
0.3033

■ 37.1424, 0.2564,
0.2789

■ 37.1424, 0.2564,
0.2789

■ 32.1691, 0.2405,
0.2618

■ 42.7132, 0.2726,
0.2948

■ 27.7642, 0.2252,
0.2436

■ 48.9003, 0.2887,
0.3093

■ 23.9023, 0.2113,
0.2248

■ 55.7266, 0.3044,
0.3224

■ 20.5536, 0.1990,
0.2058

■ 63.2127, 0.3195,
0.3341

■ 17.6844, 0.1889,
0.1871

■ 71.3779, 0.3337,
0.3445

■ 15.2547, 0.1812,
0.1691

■ 80.2409, 0.3472,
0.3537

■ 14.2678, 0.1781,
0.1613

■ 86.2166, 0.3469,
0.3632

■ 92.0981, 0.3450,
0.3726

■ 97.0931, 0.3436,
0.3800

Harmonies

Analogous

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



37.1424, 0.2500, 0.2974



37.1424, 0.2564, 0.2789



37.1424, 0.2772, 0.2740

Triad

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



37.1424, 0.2564, 0.2789



37.1424, 0.3690, 0.3275



37.1424, 0.3143, 0.3823

Complementary

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



37.1424, 0.2564, 0.2789



41.6279, 0.3808, 0.3741

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.



37.1424, 0.3470, 0.3890



37.1424, 0.2564, 0.2789



37.1424, 0.3797, 0.3551

Square

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



37.1424, 0.2564, 0.2789



37.1424, 0.3422, 0.3015



37.1424, 0.3713, 0.3780



37.1424, 0.2823, 0.3587

Rectangle

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



37.1424, 0.2564, 0.2789



37.1424, 0.2971, 0.2783



37.1424, 0.3713, 0.3780



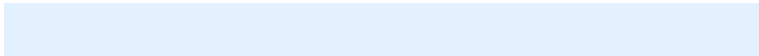
37.1424, 0.3256, 0.3866

Sweetspot

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



37.1438, 0.2564, 0.2789



86.6640, 0.2956, 0.3152



50.2980, 0.2856, 0.3822



18.2180, 0.2934, 0.3133



0.0000, 0.0000, 0.0000



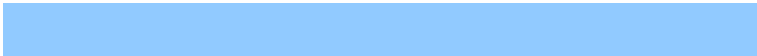
21.4041, 0.3127, 0.3290

Same Dimension

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



37.1438, 0.2564, 0.2789



55.3543, 0.2434, 0.2651



25.7001, 0.2491, 0.2252



11.7808, 0.2983, 0.3174



9.2604, 0.1788, 0.1636



0.6294, 0.1885, 0.1984

Inverse Universe

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



31.7637, 0.3535, 0.2819



45.8662, 0.3668, 0.2711



56.4997, 0.3661, 0.4152



11.3082, 0.3211, 0.3172



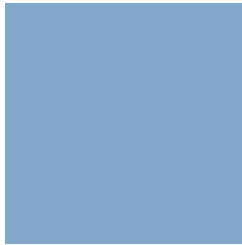
8.7378, 0.4885, 0.2465



0.4661, 0.4471, 0.2237

Previews

White Background



This preview shows how the Yxy color 37.1424, 0.2564, 0.2789 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 37.1424, 0.2564, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

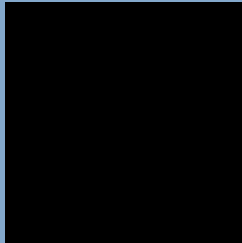
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

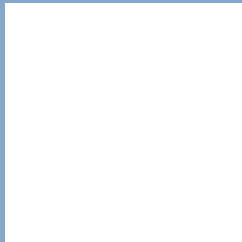
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1424, 0.2564, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 37.1424, 0.2564, 0.2789.

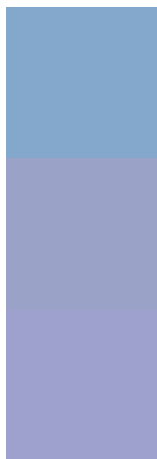


This preview shows how white text looks on a background with the Yxy color 37.1424, 0.2564, 0.2789.

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

37.1424, 0.2564, 0.2789

Protanopia

36.9327, 0.2765, 0.2779

Deuteranopia

36.8185, 0.2743, 0.2680



Tritanopia

37.1406, 0.2660, 0.3080

Trichromacy



Original Color

37.1424, 0.2564, 0.2789

Protanomaly

36.8320, 0.2688, 0.2785

Deuteranomaly

36.8499, 0.2674, 0.2722

Tritanomaly

37.1444, 0.2618, 0.2966

Monochromacy



Original Color

37.1424, 0.2564, 0.2789

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.1695, 0.2901, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1424, 0.2564, 0.2789 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(131, 168, 203)` looks like.

```
.text, #text, p{  
    color:rgb(131, 168, 203)  
}
```

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(131, 168, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 168, 203) }
```

Border

The CSS property to change the border of an element to Yxy 37.1424, 0.2564, 0.2789 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(131, 168, 203) }
```

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

```
.border{ border-color:rgb(131, 168, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 168, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 168, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 168, 203);  
box-shadow:4px 4px 4px 4px rgb(131, 168,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1424, 0.2564, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 168, 203) }
```

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

```
.background{ background-color: rgb(131,  
168, 203) }
```

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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