

Converting Colors

$Y_{xy}(36.8274, 0.2520, 0.2731)$

Have a look what the booklet for
Yxy(36.8274, 0.2520, 0.2731)
contains.

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Color

Yxy(36.7316, 0.2516, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	80A7CF
RGB	128, 167, 207
RGB Percent	50%, 65%, 81%
CMY	0.4983, 0.3450, 0.1882
CMYK	0.38, 0.19, 0.00, 0.19
HSL	210°, 45%, 66%
HSV	210°, 38%, 81%
XYZ	33.9767, 36.7316, 64.3343
YIQ	159.8990, -36.0840, 4.1720

Conversions

Conversions Part 2

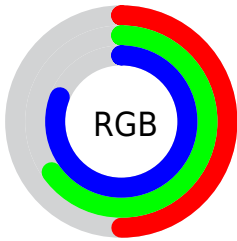
Format	Color
R_{YB}	128, 154, 207
Decimal	8431567
CIE _{Lab}	67.08, -3.23, -24.59
CIE _{LCh}	67, 24.803, 262.523
Yxy	36.7316, 0.2516, 0.2720
Android (android.graphics.Color)	4286621647 (0xFF80A7CF)
YUV	159.8990, 23.2208, -27.9754
Hunter-Lab	60.6066, -5.9925, -20.5121

Details

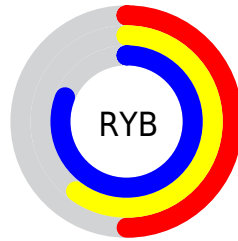
The Yxy color **36.7316, 0.2516, 0.2720** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.8031, 0.3867, 0.3795**, and the grayscale version is **35.0041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5298, 0.2678, 0.2923**, and **16.0572, 0.2335, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **31.6064, 0.2356, 0.2538**, and if you desaturate by 10%, it is **42.4977, 0.2680, 0.2890**.

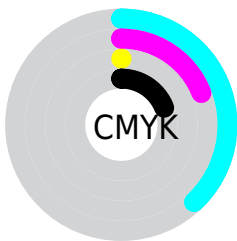
Distribution



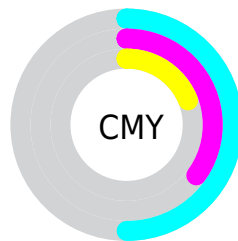
- Red (50%)
- Green (65%)
- Blue (81%)



- Red (50%)
- Yellow (60%)
- Blue (81%)



- Cyan (38%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)





- Cyan (50%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7316, 0.2516, 0.2720 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 36.7316, 0.2516, 0.2720 by changing the saturation by 10% instead.


 36.7316, 0.2516,
0.2720


 36.7316, 0.2516,
0.2720


332.1470, 0.2827,
0.3013

 24.9997, 0.2438,
0.2645


 70.1598, 0.2630,
0.2828

 16.0769, 0.2337,
0.2548


 92.6249, 0.2672,
0.2868

 9.5786, 0.2203,
0.2419


 119.4366, 0.2708,
0.2902

 5.1204, 0.2017,
0.2237

150.9792, 0.2739,
0.2931

 2.3181, 0.1747,
0.1969

187.6372, 0.2765,
0.2955

 0.7833, 0.1310,
0.1542

229.7949, 0.2788,

 0.0000, 0.0000,

0.2977

0.0000

277.8367, 0.2809,
0.2996

■ 36.7316, 0.2516,
0.2720

■ 36.7316, 0.2516,
0.2720

■ 31.6064, 0.2356,
0.2538

■ 42.4977, 0.2680,
0.2890

■ 27.0904, 0.2204,
0.2346

■ 48.9257, 0.2843,
0.3045

■ 23.1553, 0.2065,
0.2149

■ 56.0411, 0.3002,
0.3186

■ 19.7678, 0.1945,
0.1952

■ 63.8662, 0.3154,
0.3312

■ 16.8901, 0.1848,
0.1759

■ 72.4225, 0.3299,
0.3423

■ 14.4693, 0.1775,
0.1578

■ 81.7303, 0.3435,
0.3522

■ 14.0682, 0.1763,
0.1546

■ 88.2662, 0.3437,
0.3622

■ 94.6204, 0.3419,
0.3721

■ 97.2853, 0.3412,
0.3760

Harmonies

Analogous

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



36.7316, 0.2430, 0.2909



36.7316, 0.2516, 0.2720



36.7316, 0.2758, 0.2683

Triad

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



36.7316, 0.2516, 0.2720



36.7316, 0.3777, 0.3299



36.7316, 0.3107, 0.3873

Complementary

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



36.7316, 0.2516, 0.2720



42.8031, 0.3867, 0.3795

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.



36.7316, 0.3476, 0.3965



36.7316, 0.2516, 0.2720



36.7316, 0.3877, 0.3604

Square

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



36.7316, 0.2516, 0.2720



36.7316, 0.3490, 0.3008



36.7316, 0.3762, 0.3853



36.7316, 0.2757, 0.3591

Rectangle

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



36.7316, 0.2516, 0.2720



36.7316, 0.2986, 0.2739



36.7316, 0.3762, 0.3853



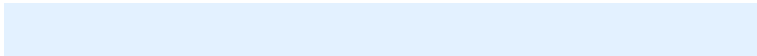
36.7316, 0.3233, 0.3928

Sweetspot

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



36.7330, 0.2516, 0.2720



86.3425, 0.2955, 0.3146



52.0210, 0.2830, 0.3852



18.1414, 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.



36.7330, 0.2516, 0.2720



51.9293, 0.2382, 0.2569



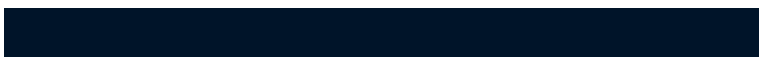
24.5125, 0.2430, 0.2137



12.3688, 0.2982, 0.3169



9.0518, 0.1770, 0.1570



0.6648, 0.1863, 0.1906

Inverse Universe

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



31.4796, 0.3596, 0.2800



43.3215, 0.3746, 0.2695



59.4522, 0.3696, 0.4231



11.9043, 0.3214, 0.3176



8.9851, 0.4969, 0.2511



0.5184, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 36.7316, 0.2516, 0.2720 looks on a white background.

Color Contrast Check

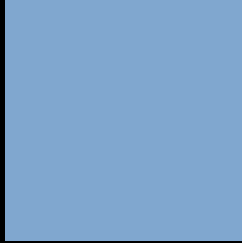
Large Text (above 18pt) WCAG AA × Fail

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 36.7316, 0.2516, 0.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

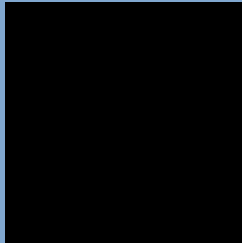
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7316, 0.2516, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 36.7316, 0.2516, 0.2720.



This preview shows how white text looks on a background with the Yxy color 36.7316, 0.2516, 0.2720.

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

36.7316, 0.2516, 0.2720

Protanopia

36.5738, 0.2718, 0.2712

Deuteranopia

36.6151, 0.2683, 0.2626



Tritanopia

36.7662, 0.2624, 0.3078

Trichromacy



Original Color

36.7316, 0.2516, 0.2720

Protanomaly

36.4833, 0.2644, 0.2717

Deuteranomaly

36.7682, 0.2624, 0.2668

Tritanomaly

36.8848, 0.2584, 0.2949

Monochromacy



Original Color

36.7316, 0.2516, 0.2720

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.6646, 0.2875, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7316, 0.2516, 0.2720 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(128, 167, 207)` looks like.

```
.text, #text, p{  
    color:rgb(128, 167, 207)  
}
```

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(128, 167, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 167, 207) }
```

Border

The CSS property to change the border of an element to Yxy 36.7316, 0.2516, 0.2720 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(128, 167, 207) }
```

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

```
.border{ border-color:rgb(128, 167, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 167, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 167, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 167, 207);  
box-shadow:4px 4px 4px 4px rgb(128, 167,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7316, 0.2516, 0.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 167, 207) }
```

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

```
.background{ background-color: rgb(128,  
167, 207) }
```

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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