

Converting Colors

$Y_{xy}(36.8380, 0.2531, 0.2603)$

Have a look what the booklet for
Yxy(36.8380, 0.2531, 0.2603)
contains.

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Color

Yxy(36.7243, 0.2529, 0.2599)

Conversions

Conversions Part 1

Format	Color
Hex	89A4D6
RGB	137, 164, 214
RGB Percent	54%, 64%, 84%
CMY	0.4626, 0.3569, 0.1607
CMYK	0.36, 0.23, 0.00, 0.16
HSL	219°, 48%, 69%
HSV	219°, 36%, 84%
XYZ	35.7352, 36.7243, 68.8422
YIQ	161.6270, -32.1420, 9.8260

Conversions

Conversions Part 2

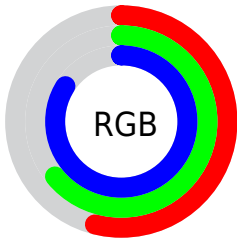
Format	Color
R _Y B	137, 157, 214
Decimal	9020630
CIE Lab	67.07, 2.82, -28.43
CIE LCh	67, 28.572, 275.655
Yxy	36.7243, 0.2529, 0.2599
Android (android.graphics.Color)	4287210710 (0xFF89A4D6)
YUV	161.6270, 25.8199, -21.5979
Hunter-Lab	60.6006, -0.7924, -24.9329

Details

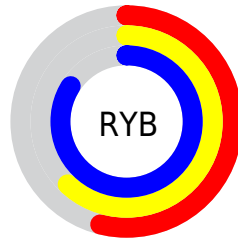
The Yxy color **36.7243, 0.2529, 0.2599** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.6741, 0.3770, 0.3893**, and the grayscale version is **35.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0895, 0.2728, 0.2894**, and **15.9764, 0.2354, 0.2394** is the 20% darker color. If you saturate the color by 10%, you get **30.3840, 0.2351, 0.2364**, and if you desaturate by 10%, it is **43.9706, 0.2705, 0.2817**.

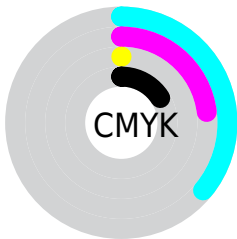
Distribution



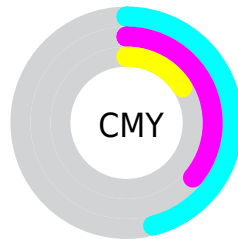
- Red (54%)
- Green (64%)
- Blue (84%)



- Red (54%)
- Yellow (62%)
- Blue (84%)



- Cyan (36%)
- Magenta (23%)
- Yellow (0%)
- Black (16%)




- Cyan (46%)
- Magenta (36%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7243, 0.2529, 0.2599 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 36.7243, 0.2529, 0.2599 by changing the saturation by 10% instead.

 36.7243, 0.2529,
0.2599


 36.7243, 0.2529,
0.2599


332.1153, 0.2834,
0.2948


 24.9941, 0.2452,
0.2512


 70.1486, 0.2641,
0.2726

 16.0727, 0.2353,
0.2400


 92.6114, 0.2682,
0.2774

 9.5756, 0.2222,
0.2253


 119.4206, 0.2718,
0.2814

 5.1185, 0.2040,
0.2052

150.9605, 0.2748,
0.2849

 2.3169, 0.1777,
0.1763

187.6155, 0.2774,
0.2879

 0.7827, 0.1374,
0.1323

229.7701, 0.2796,

 0.0000, 0.0000,

0.2905

0.0000

277.8086, 0.2816,
0.2928

■ 36.7243, 0.2529,
0.2599

■ 36.7243, 0.2529,
0.2599

■ 30.3840, 0.2351,
0.2364

■ 43.9706, 0.2705,
0.2817

■ 24.9067, 0.2177,
0.2118

■ 52.1547, 0.2875,
0.3015

■ 20.2518, 0.2015,
0.1866

■ 61.3123, 0.3036,
0.3193

■ 16.3733, 0.1872,
0.1619

■ 71.4756, 0.3186,
0.3351

■ 13.2197, 0.1755,
0.1388

■ 82.6752, 0.3325,
0.3490

■ 10.7303, 0.1669,
0.1182

■ 92.9058, 0.3381,
0.3620

■ 9.8827, 0.1641,
0.1107

■ 97.6365, 0.3369,
0.3690

Harmonies

Analogous

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



36.7243, 0.2351, 0.2735



36.7243, 0.2529, 0.2599



36.7243, 0.2868, 0.2633

Triad

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



36.7243, 0.2529, 0.2599



36.7243, 0.3959, 0.3449



36.7243, 0.2915, 0.3847

Complementary

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



36.7243, 0.2529, 0.2599



51.6741, 0.3770, 0.3893

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.



36.7243, 0.3343, 0.4058



36.7243, 0.2529, 0.2599



36.7243, 0.3962, 0.3782

Square

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



36.7243, 0.2529, 0.2599



36.7243, 0.3711, 0.3104



36.7243, 0.3730, 0.4018



36.7243, 0.2561, 0.3453

Rectangle

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



36.7243, 0.2529, 0.2599



36.7243, 0.3153, 0.2739



36.7243, 0.3730, 0.4018



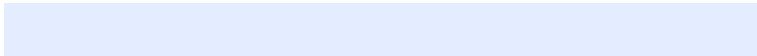
36.7243, 0.3055, 0.3944

Sweetspot

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



36.7257, 0.2529, 0.2599



83.9801, 0.2955, 0.3104



56.9648, 0.2784, 0.3670



17.5797, 0.2933, 0.3080



0.0000, 0.0000, 0.0000



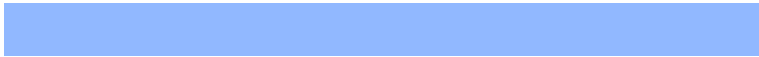
21.4041, 0.3127, 0.3290

Same Dimension

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



36.7257, 0.2529, 0.2599



47.4492, 0.2396, 0.2426



28.9854, 0.2559, 0.2236



12.7130, 0.2982, 0.3134



6.1489, 0.1648, 0.1133



0.5238, 0.1746, 0.1485

Inverse Universe

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



34.8793, 0.3682, 0.2960



45.0682, 0.3853, 0.2892



62.7185, 0.3582, 0.4207



12.4919, 0.3237, 0.3209



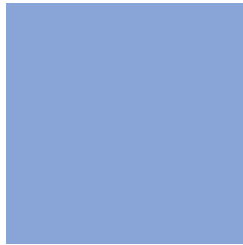
8.9656, 0.5562, 0.2838



0.5562, 0.5079, 0.2571

Previews

White Background



This preview shows how the Yxy color 36.7243, 0.2529, 0.2599 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 36.7243, 0.2529, 0.2599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

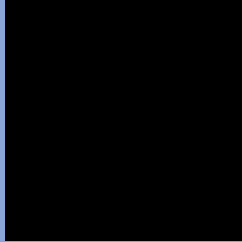
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

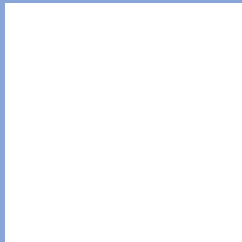
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7243, 0.2529, 0.2599

Background



This preview shows how black text looks on a background with the Yxy color 36.7243, 0.2529, 0.2599.



This preview shows how white text looks on a background with the Yxy color 36.7243, 0.2529, 0.2599.

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

36.7243, 0.2529, 0.2599

Protanopia

36.6328, 0.2625, 0.2597

Deuteranopia

36.5319, 0.2611, 0.2549



Tritanopia

36.9142, 0.2694, 0.3095

Trichromacy



Original Color

36.7243, 0.2529, 0.2599

Protanomaly

36.6645, 0.2589, 0.2594

Deuteranomaly

36.4158, 0.2575, 0.2556

Tritanomaly

36.8869, 0.2637, 0.2911

Monochromacy



Original Color

36.7243, 0.2529, 0.2599

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.3029, 0.2887, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7243, 0.2529, 0.2599 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(137, 164, 214)` looks like.

```
.text, #text, p{  
    color:rgb(137, 164, 214)  
}
```

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(137, 164, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 164, 214) }
```

Border

The CSS property to change the border of an element to Yxy 36.7243, 0.2529, 0.2599 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(137, 164, 214) }
```

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

```
.border{ border-color:rgb(137, 164, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 164, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 164, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 164, 214);  
box-shadow:4px 4px 4px 4px rgb(137, 164,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7243, 0.2529, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 164, 214) }
```

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

```
.background{ background-color: rgb(137,  
164, 214) }
```

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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