

Converting Colors

$Y_{xy}(36.4821, 0.2581, 0.2586)$

Have a look what the booklet for
Yxy(36.4821, 0.2581, 0.2586)
contains.

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Color

Yxy(36.5740, 0.2582, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	90A2D5
RGB	144, 162, 213
RGB Percent	56%, 64%, 84%
CMY	0.4353, 0.3647, 0.1647
CMYK	0.32, 0.24, 0.00, 0.16
HSL	224°, 45%, 70%
HSV	224°, 32%, 84%
XYZ	36.4329, 36.5740, 68.0965
YIQ	162.4320, -27.0990, 12.0450

Conversions

Conversions Part 2

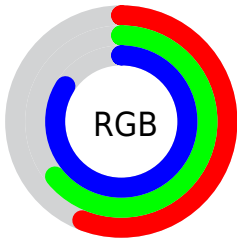
Format	Color
RYB	144, 158, 213
Decimal	9478869
CIELab	66.96, 5.64, -28.01
CIELCh	67, 28.569, 281.382
Yxy	36.5740, 0.2582, 0.2592
Android (android.graphics.Color)	4287668949 (0xFF90A2D5)
YUV	162.4320, 24.9300, -16.1649
Hunter-Lab	60.4764, 1.7002, -24.4271

Details

The Yxy color **36.5740, 0.2582, 0.2592** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.1960, 0.3675, 0.3901**, and the grayscale version is **36.2356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9878, 0.2769, 0.2877**, and **16.0616, 0.2420, 0.2403** is the 20% darker color. If you saturate the color by 10%, you get **29.6307, 0.2395, 0.2330**, and if you desaturate by 10%, it is **44.5766, 0.2763, 0.2834**.

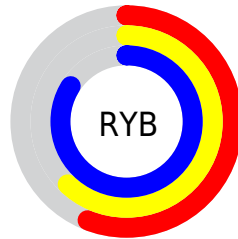
Distribution



Red (56%)

Green (64%)

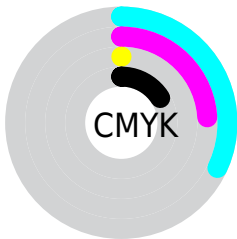
Blue (84%)



Red (56%)

Yellow (62%)

Blue (84%)

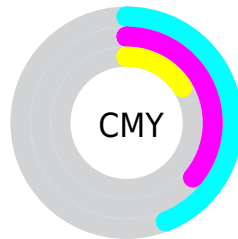


Cyan (32%)

Magenta (24%)

Yellow (0%)

Black (16%)



Cyan (44%)

Magenta (36%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5740, 0.2582, 0.2592 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 36.5740, 0.2582, 0.2592 by changing the saturation by 10% instead.

■ 36.5740, 0.2582,
0.2592

■ 36.5740, 0.2582,
0.2592

■ 331.4625, 0.2861,
0.2943

■ 24.8778, 0.2511,
0.2505

■ 69.9171, 0.2685,
0.2720

■ 15.9861, 0.2419,
0.2393

■ 92.3328, 0.2723,
0.2768

■ 9.5143, 0.2297,
0.2246

■ 119.0905, 0.2755,
0.2808

■ 5.0781, 0.2127,
0.2045

■ 150.5746, 0.2783,
0.2843

■ 2.2932, 0.1877,
0.1757

■ 187.1694, 0.2806,
0.2873

■ 0.7701, 0.1489,
0.1318

■ 229.2594, 0.2827,

■ 0.0000, 0.0000,

0.2899

0.0000

277.2290, 0.2845,
0.2923

■ 36.5740, 0.2582,
0.2592

■ 36.5740, 0.2582,
0.2592

■ 29.6307, 0.2395,
0.2330

■ 44.5766, 0.2763,
0.2834

■ 23.6964, 0.2208,
0.2054

■ 53.6771, 0.2933,
0.3052

■ 18.7229, 0.2030,
0.1773

■ 63.9177, 0.3091,
0.3247

■ 14.6563, 0.1869,
0.1499

■ 75.3367, 0.3236,
0.3418

■ 11.4363, 0.1735,
0.1248

■ 87.9708, 0.3366,
0.3568

■ 8.9945, 0.1636,
0.1031

■ 97.5846, 0.3376,
0.3701

■ 7.5908, 0.1582,
0.0896

Harmonies

Analogous

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



36.5740, 0.2370, 0.2695



36.5740, 0.2582, 0.2592



36.5740, 0.2946, 0.2656

Triad

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



36.5740, 0.2582, 0.2592



36.5740, 0.3980, 0.3516



36.5740, 0.2838, 0.3782

Complementary

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



36.5740, 0.2582, 0.2592



55.1960, 0.3675, 0.3901

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.



36.5740, 0.3261, 0.4038



36.5740, 0.2582, 0.2592



36.5740, 0.3935, 0.3838

Square

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



36.5740, 0.2582, 0.2592



36.5740, 0.3775, 0.3168



36.5740, 0.3665, 0.4045



36.5740, 0.2508, 0.3371

Rectangle

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



36.5740, 0.2582, 0.2592



36.5740, 0.3238, 0.2780



36.5740, 0.3665, 0.4045



36.5740, 0.2974, 0.3892

Sweetspot

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



36.5754, 0.2582, 0.2592



84.0386, 0.2971, 0.3099



57.4457, 0.2773, 0.3532



17.5381, 0.2948, 0.3070



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.



36.5754, 0.2582, 0.2592



47.4909, 0.2451, 0.2410



32.2358, 0.2684, 0.2370



12.5302, 0.2982, 0.3113



4.7783, 0.1589, 0.0919



0.4235, 0.1684, 0.1260

Inverse Universe

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



36.7033, 0.3674, 0.3069



48.2426, 0.3846, 0.3020



61.4655, 0.3483, 0.4130



12.4735, 0.3250, 0.3229



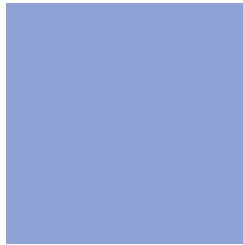
8.8272, 0.5882, 0.3014



0.5461, 0.5382, 0.2738

Previews

White Background



This preview shows how the Yxy color 36.5740, 0.2582, 0.2592 looks on a white background.

Color Contrast Check

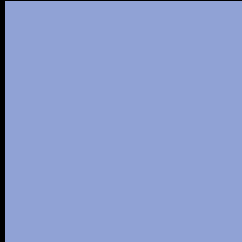
Large Text (above 18pt) WCAG AA × Fail

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 36.5740, 0.2582, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

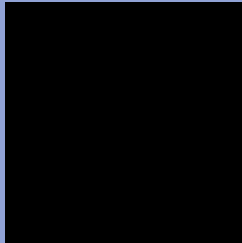
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

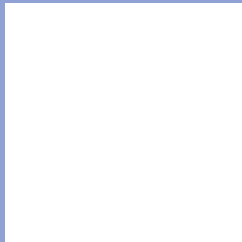
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5740, 0.2582, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 36.5740, 0.2582, 0.2592.



This preview shows how white text looks on a background with the Yxy color 36.5740, 0.2582, 0.2592.

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

36.5740, 0.2582, 0.2592

Protanopia

36.6328, 0.2625, 0.2597

Deuteranopia

36.5250, 0.2632, 0.2574



Tritanopia

36.6598, 0.2759, 0.3097

Trichromacy



Original Color

36.5740, 0.2582, 0.2592

Protanomaly

36.4462, 0.2609, 0.2594

Deuteranomaly

36.5897, 0.2610, 0.2584

Tritanomaly

36.6981, 0.2694, 0.2901

Monochromacy



Original Color

36.5740, 0.2582, 0.2592

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1454, 0.2903, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5740, 0.2582, 0.2592 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(144, 162, 213)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 213)  
}
```

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(144, 162, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 213) }
```

Border

The CSS property to change the border of an element to Yxy 36.5740, 0.2582, 0.2592 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(144, 162, 213) }
```

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

```
.border{ border-color:rgb(144, 162, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 162, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 213);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5740, 0.2582, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 213) }
```

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

```
.background{ background-color: rgb(144,  
162, 213) }
```

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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