

Converting Colors

$Y_{xy}(29.6913, 0.2547, 0.2411)$

Have a look what the booklet for
Yxy(29.6913, 0.2547, 0.2411)
contains.

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Color

Yxy(29.6727, 0.2549, 0.2416)

Conversions

Conversions Part 1

Format	Color
Hex	8990CD
RGB	137, 144, 205
RGB Percent	54%, 56%, 80%
CMY	0.4629, 0.4353, 0.1961
CMYK	0.33, 0.30, 0.00, 0.20
HSL	234°, 40%, 67%
HSV	234°, 33%, 80%
XYZ	31.3062, 29.6727, 61.8386
YIQ	148.8610, -23.7530, 17.4870

Conversions

Conversions Part 2

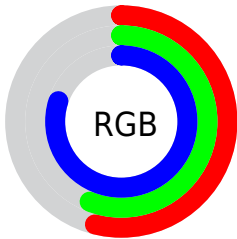
Format	Color
R_{YB}	137, 143, 205
Decimal	9015501
CIE _{Lab}	61.37, 11.81, -32.23
CIE _{LCh}	61, 34.324, 290.123
Yxy	29.6727, 0.2549, 0.2416
Android (android.graphics.Color)	4287205581 (0xFF8990CD)
YUV	148.8610, 27.6765, -10.4021
Hunter-Lab	54.4727, 7.2592, -29.1765

Details

The Yxy color **29.6727, 0.2549, 0.2416** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.1596, 0.3648, 0.4035**, and the grayscale version is **29.8816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8146, 0.2707, 0.2654**, and **12.0922, 0.2361, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **22.9809, 0.2346, 0.2098**, and if you desaturate by 10%, it is **37.6024, 0.2742, 0.2713**.

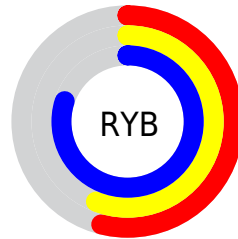
Distribution



Red (54%)

Green (56%)

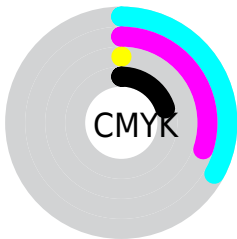
Blue (80%)



Red (54%)

Yellow (56%)

Blue (80%)

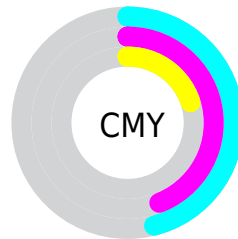


Cyan (33%)

Magenta (30%)

Yellow (0%)

Black (20%)



Cyan (46%)

Magenta (44%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6727, 0.2549, 0.2416 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 29.6727, 0.2549, 0.2416 by changing the saturation by 10% instead.

■ 29.6727, 0.2549,
0.2416

■ 29.6727, 0.2549,
0.2416

■ 300.3758, 0.2856,
0.2862

■ 19.5903, 0.2468,
0.2304

■ 59.1442, 0.2664,
0.2579

■ 12.0976, 0.2361,
0.2159

■ 79.3021, 0.2707,
0.2640

■ 6.8102, 0.2215,
0.1969

■ 103.5872, 0.2742,
0.2692

■ 3.3437, 0.2008,
0.1709

■ 132.3840, 0.2772,
0.2736

■ 1.3137, 0.1697,
0.1341

■ 166.0769, 0.2797,
0.2774

■ 0.1518, 0.1122,
0.0394

■ 205.0502, 0.2820,

■ 0.0000, 0.0000,

0.2807

0.0000

249.6884, 0.2839,
0.2836

■ 29.6727, 0.2549,
0.2416

■ 29.6727, 0.2549,
0.2416

■ 22.9809, 0.2346,
0.2098

■ 37.6024, 0.2742,
0.2713

■ 17.4610, 0.2142,
0.1771

■ 46.8246, 0.2919,
0.2981

■ 13.0461, 0.1948,
0.1451

■ 57.3948, 0.3080,
0.3220

■ 9.6613, 0.1778,
0.1160

■ 69.3643, 0.3222,
0.3430

■ 7.2220, 0.1644,
0.0919

■ 82.7815, 0.3348,
0.3611

■ 5.6299, 0.1556,
0.0744

■ 96.7367, 0.3425,
0.3774

■ 4.9520, 0.1518,
0.0666

■ 97.1881, 0.3424,
0.3780

Harmonies

Analogous

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



29.6727, 0.2227, 0.2472



29.6727, 0.2549, 0.2416



29.6727, 0.3049, 0.2554

Triad

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



29.6727, 0.2549, 0.2416



29.6727, 0.4242, 0.3684



29.6727, 0.2612, 0.3787

Complementary

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



29.6727, 0.2549, 0.2416



55.1596, 0.3648, 0.4035

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.



29.6727, 0.3125, 0.4208



29.6727, 0.2549, 0.2416



29.6727, 0.4081, 0.4074

Square

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



29.6727, 0.2549, 0.2416



29.6727, 0.4072, 0.3249



29.6727, 0.3664, 0.4296



29.6727, 0.2257, 0.3221

Rectangle

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



29.6727, 0.2549, 0.2416



29.6727, 0.3432, 0.2736



29.6727, 0.3664, 0.4296



29.6727, 0.2771, 0.3956

Sweetspot

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



29.6738, 0.2549, 0.2416



81.7511, 0.2970, 0.3058



53.0163, 0.2705, 0.3396



16.9889, 0.2947, 0.3022



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.



29.6738, 0.2549, 0.2416



40.3826, 0.2401, 0.2185



30.0839, 0.2765, 0.2371



11.0276, 0.2982, 0.3075



3.1494, 0.1522, 0.0679



0.2274, 0.1586, 0.0909

Inverse Universe

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



32.8777, 0.3812, 0.3201



46.7066, 0.4039, 0.3182



55.0462, 0.3406, 0.4174



11.2322, 0.3274, 0.3266



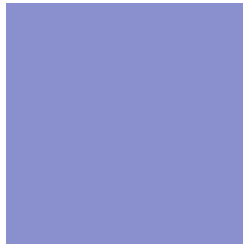
8.1209, 0.6268, 0.3227



0.4255, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 29.6727, 0.2549, 0.2416 looks on a white background.

Color Contrast Check

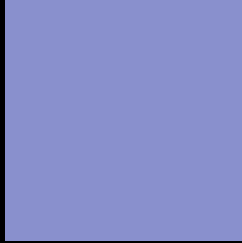
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6727, 0.2549, 0.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

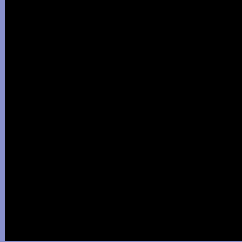
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6727, 0.2549, 0.2416

Background



This preview shows how black text looks on a background with the Yxy color 29.6727, 0.2549, 0.2416.



This preview shows how white text looks on a background with the Yxy color 29.6727, 0.2549, 0.2416.

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

29.6727, 0.2549, 0.2416

Protanopia

29.7598, 0.2492, 0.2421

Deuteranopia

29.7114, 0.2498, 0.2433



Tritanopia

29.7260, 0.2795, 0.3096

Trichromacy



Original Color

29.6727, 0.2549, 0.2416

Protanomaly

29.6936, 0.2513, 0.2412

Deuteranomaly

29.6451, 0.2519, 0.2424

Tritanomaly

29.5749, 0.2698, 0.2825

Monochromacy



Original Color

29.6727, 0.2549, 0.2416

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.7518, 0.2905, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6727, 0.2549, 0.2416 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, 144, 205)` looks like.

```
.text, #text, p{  
    color:rgb(137, 144, 205)  
}
```

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, 144, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 144, 205) }
```

Border

The CSS property to change the border of an element to Yxy 29.6727, 0.2549, 0.2416 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, 144, 205) }
```

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

```
.border{ border-color:rgb(137, 144, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 144, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 144, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 144, 205);  
box-shadow:4px 4px 4px 4px rgb(137, 144,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6727, 0.2549, 0.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 144, 205) }
```

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

```
.background{ background-color: rgb(137,  
144, 205) }
```

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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