

Converting Colors

$Y_{xy}(29.6707, 0.2953, 0.2665)$

Have a look what the booklet for
Yxy(29.6707, 0.2953, 0.2665)
contains.

Yxy(29.6707, 0.2953, 0.2665)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6707, 0.2953, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	A38BB7
RGB	163, 139, 183
RGB Percent	64%, 55%, 72%
CMY	0.3609, 0.4548, 0.2824
CMYK	0.11, 0.24, 0.00, 0.28
HSL	273°, 23%, 63%
HSV	273°, 24%, 72%
XYZ	32.8771, 29.6707, 48.7869
YIQ	151.1920, 0.1800, 18.7720

Conversions

Conversions Part 2

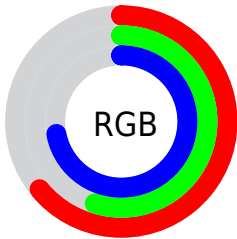
Format	Color
RYB	163, 139, 183
Decimal	10718135
CIELab	61.37, 17.50, -19.65
CIELCh	61, 26.309, 311.688
Yxy	29.6707, 0.2953, 0.2665
Android (android.graphics.Color)	4288908215 (0xFFA38BB7)
YUV	151.1920, 15.6813, 10.3556
Hunter-Lab	54.4708, 12.4139, -14.9736

Details

The Yxy color $29.6707, 0.2953, 0.2665$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $43.1022, 0.3268, 0.3923$, and the grayscale version is $30.9645, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2773, 0.2990, 0.2788$, and $12.1360, 0.2889, 0.2476$ is the 20% darker color. If you saturate the color by 10%, you get $23.9573, 0.2861, 0.2380$, and if you desaturate by 10%, it is $36.3316, 0.3033, 0.2938$.

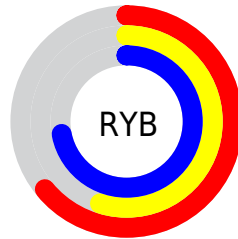
Distribution



Red (64%)

Green (55%)

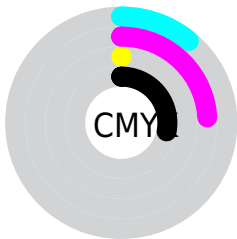
Blue (72%)



Red (64%)

Yellow (55%)

Blue (72%)

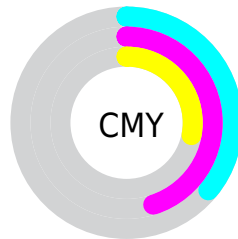


Cyan (11%)

Magenta (24%)

Yellow (0%)

Black (28%)



Cyan (36%)


Magenta (45%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6707, 0.2953, 0.2665 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 29.6707, 0.2953, 0.2665 by changing the saturation by 10% instead.


 29.6707, 0.2953,
0.2665


 29.6707, 0.2953,
0.2665


300.3665, 0.3051,
0.2987

 19.5888, 0.2925,
0.2582


 59.1410, 0.2991,
0.2784

 12.0965, 0.2887,
0.2474


 79.2982, 0.3005,
0.2828

 6.8094, 0.2832,
0.2328


 103.5826, 0.3016,
0.2865

 3.3432, 0.2747,
0.2121

132.3786, 0.3025,
0.2897

 1.3134, 0.2601,
0.1807

166.0706, 0.3033,
0.2924

 0.1516, 0.2397,
0.0636

205.0430, 0.3040,

 0.0000, 0.0000,

0.2948

0.0000

249.6801, 0.3045,
0.2968

■ 29.6707, 0.2953,
0.2665

■ 29.6707, 0.2953,
0.2665

■ 23.9573, 0.2861,
0.2380

■ 36.3316, 0.3033,
0.2938

■ 19.1423, 0.2758,
0.2091

■ 43.9783, 0.3102,
0.3193

■ 15.1781, 0.2645,
0.1808

■ 52.6516, 0.3161,
0.3428

■ 12.0107, 0.2526,
0.1545

■ 62.3888, 0.3210,
0.3642

■ 9.5798, 0.2405,
0.1316

■ 73.2254, 0.3250,
0.3835

7.8162, 0.2287,
0.1131

85.1952, 0.3284,
0.4008

6.6366, 0.2176,
0.1000

90.3580, 0.3330,
0.4054

6.1076, 0.2114,
0.0938

91.7012, 0.3385,
0.4040

93.1104, 0.3440,
0.4027

Harmonies

Analogous

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



29.6707, 0.2592, 0.2600



29.6707, 0.2953, 0.2665



29.6707, 0.3388, 0.2870

Triad

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



29.6707, 0.2953, 0.2665



29.6707, 0.3923, 0.3835



29.6707, 0.2513, 0.3365

Complementary

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



29.6707, 0.2953, 0.2665



43.1022, 0.3268, 0.3923

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.



29.6707, 0.2838, 0.3772



29.6707, 0.2953, 0.2665



29.6707, 0.3655, 0.4036

Square

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



29.6707, 0.2953, 0.2665



29.6707, 0.3970, 0.3518



29.6707, 0.3256, 0.4026



29.6707, 0.2352, 0.2969

Rectangle

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



29.6707, 0.2953, 0.2665



29.6707, 0.3657, 0.3064



29.6707, 0.3256, 0.4026



29.6707, 0.2606, 0.3508

Sweetspot

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



29.6719, 0.2953, 0.2665



74.3536, 0.3082, 0.3116



33.8909, 0.2750, 0.2941



16.2386, 0.3078, 0.3101



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



29.6719, 0.2953, 0.2665



47.3648, 0.2904, 0.2511



31.8944, 0.3169, 0.2720



8.9539, 0.3067, 0.3060



4.3026, 0.2125, 0.0944



0.1880, 0.2399, 0.1095

Inverse Universe

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



31.0415, 0.3399, 0.3013



50.3309, 0.3480, 0.2947



41.2604, 0.3085, 0.3934



9.0784, 0.3219, 0.3186



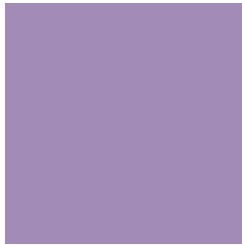
7.4761, 0.5118, 0.2593



0.2761, 0.4502, 0.2254

Previews

White Background



This preview shows how the Yxy color 29.6707, 0.2953, 0.2665 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 29.6707, 0.2953, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

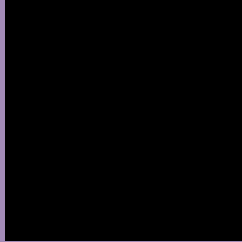
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6707, 0.2953, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 29.6707, 0.2953, 0.2665.



This preview shows how white text looks on a background with the Yxy color 29.6707, 0.2953, 0.2665.

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

29.6707, 0.2953, 0.2665

Protanopia

29.9016, 0.2686, 0.2678

Deuteranopia

29.7392, 0.2803, 0.2740



Tritanopia

29.6840, 0.3177, 0.3124

Trichromacy



Original Color

29.6707, 0.2953, 0.2665

Protanomaly

29.6947, 0.2778, 0.2672

Deuteranomaly

29.6977, 0.2857, 0.2718

Tritanomaly

29.5362, 0.3091, 0.2949

Monochromacy



Original Color

29.6707, 0.2953, 0.2665

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.4803, 0.3057, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6707, 0.2953, 0.2665 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(163, 139, 183)` looks like.

```
.text, #text, p{  
    color:rgb(163, 139, 183)  
}
```

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(163, 139, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 139, 183) }
```

Border

The CSS property to change the border of an element to Yxy 29.6707, 0.2953, 0.2665 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(163, 139, 183) }
```

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

```
.border{ border-color:rgb(163, 139, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 139, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 139, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 139, 183);  
box-shadow:4px 4px 4px 4px rgb(163, 139,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6707, 0.2953, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 139, 183) }
```

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

```
.background{ background-color: rgb(163,  
139, 183) }
```

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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