

Converting Colors

$Y_{xy}(25.6820, 0.2931, 0.2207)$

Have a look what the booklet for
Yxy(25.6820, 0.2931, 0.2207)
contains.

Yxy(25.6820, 0.2931, 0.2207)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.6820, 0.2931, 0.2207)

Conversions

Conversions Part 1

Format	Color
Hex	AF74C6
RGB	175, 116, 198
RGB Percent	69%, 45%, 78%
CMY	0.3139, 0.5450, 0.2236
CMYK	0.12, 0.41, 0.00, 0.22
HSL	283°, 42%, 62%
HSV	283°, 41%, 78%
XYZ	34.1069, 25.6820, 56.5772
YIQ	142.9890, 8.8420, 38.0100

Conversions

Conversions Part 2

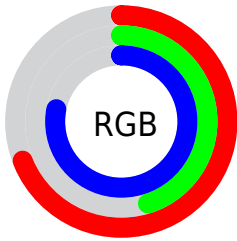
Format	Color
R _Y B	175, 116, 198
Decimal	11498694
CIE Lab	57.73, 37.49, -33.66
CIE LCh	58, 50.384, 318.079
Yxy	25.6820, 0.2931, 0.2207
Android (android.graphics.Color)	4289688774 (0xFFAF74C6)
YUV	142.9890, 27.1204, 28.0736
Hunter-Lab	50.6774, 31.4486, -30.7183

Details

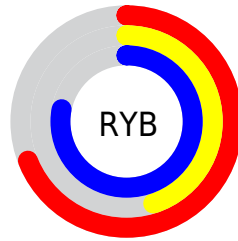
The Yxy color **25.6820, 0.2931, 0.2207** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.1395, 0.3239, 0.4490**, and the grayscale version is **27.3515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7517, 0.2983, 0.2402**, and **9.9750, 0.2839, 0.1905** is the 20% darker color. If you saturate the color by 10%, you get **20.9625, 0.2865, 0.1947**, and if you desaturate by 10%, it is **31.4030, 0.2990, 0.2477**.

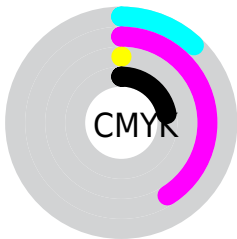
Distribution



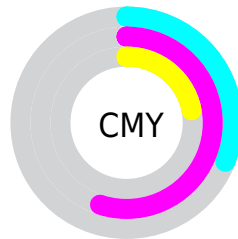
- Red (69%)
- Green (45%)
- Blue (78%)



- Red (69%)
- Yellow (45%)
- Blue (78%)



- Cyan (12%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (55%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6820, 0.2931, 0.2207 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 25.6820, 0.2931, 0.2207 by changing the saturation by 10% instead.


 25.6820, 0.2931,
0.2207


 25.6820, 0.2931,
0.2207


281.2175, 0.3053,
0.2750


 16.5859, 0.2893,
0.2074


 52.7615, 0.2981,
0.2403

 9.9397, 0.2840,
0.1905


 71.5137, 0.2998,
0.2477

 5.3590, 0.2761,
0.1686


 94.2533, 0.3012,
0.2540

 2.4594, 0.2636,
0.1394

121.3648, 0.3023,
0.2594

 0.8562, 0.2421,
0.0998

153.2326, 0.3032,
0.2641

 0.0000, 0.2087,
0.0000

190.2411, 0.3040,

 0.0000, 0.0000,

0.2682

0.0000

232.7746, 0.3047,
0.2718

■ 25.6820, 0.2931,
0.2207

■ 25.6820, 0.2931,
0.2207

■ 20.9625, 0.2865,
0.1947

■ 31.4030, 0.2990,
0.2477

■ 17.1785, 0.2793,
0.1709

■ 38.1793, 0.3042,
0.2746

■ 14.2613, 0.2718,
0.1503


■ 46.0648, 0.3086,
0.3008

■ 12.1309, 0.2642,
0.1340


■ 55.1088, 0.3123,
0.3257


■ 10.6922, 0.2567,
0.1223


■ 65.3574, 0.3153,
0.3489

 9.8557, 0.2505,
0.1153

 76.8543, 0.3177,
0.3702

 89.6410, 0.3197,
0.3897

 90.7310, 0.3232,
0.3894

 91.6114, 0.3268,
0.3887

Harmonies

Analogous

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



25.6820, 0.2223, 0.2025



25.6820, 0.2931, 0.2207



25.6820, 0.3811, 0.2602

Triad

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



25.6820, 0.2931, 0.2207



25.6820, 0.4558, 0.4354



25.6820, 0.1864, 0.3201

Complementary

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



25.6820, 0.2931, 0.2207



47.1395, 0.3239, 0.4490

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.



25.6820, 0.2373, 0.4139



25.6820, 0.2931, 0.2207



25.6820, 0.3927, 0.4806

Square

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



25.6820, 0.2931, 0.2207



25.6820, 0.4820, 0.3749



25.6820, 0.3128, 0.4796



25.6820, 0.1680, 0.2473

Rectangle

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



25.6820, 0.2931, 0.2207



25.6820, 0.4344, 0.2951



25.6820, 0.3128, 0.4796



25.6820, 0.1998, 0.3508

Sweetspot

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



25.6831, 0.2931, 0.2207



80.4112, 0.3083, 0.2988



26.3311, 0.2422, 0.2392



16.7946, 0.3077, 0.2954



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.



25.6831, 0.2931, 0.2207



37.6118, 0.2869, 0.1964



27.8076, 0.3366, 0.2477



10.6610, 0.3094, 0.3059



6.4552, 0.2514, 0.1159



0.3407, 0.2665, 0.1242

Inverse Universe

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



26.3692, 0.3873, 0.2986



39.2251, 0.4138, 0.2922



45.8130, 0.2957, 0.4276



10.6851, 0.3246, 0.3225



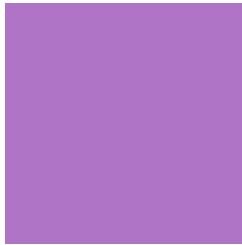
8.0040, 0.5805, 0.2972



0.3917, 0.5193, 0.2634

Previews

White Background



This preview shows how the Yxy color 25.6820, 0.2931, 0.2207 looks on a white background.

Color Contrast Check

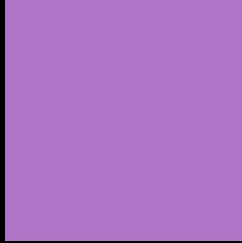
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6820, 0.2931, 0.2207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

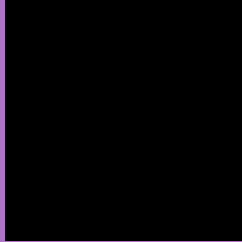
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6820, 0.2931, 0.2207

Background



This preview shows how black text looks on a background with the Yxy color 25.6820, 0.2931, 0.2207.



This preview shows how white text looks on a background with the Yxy color 25.6820, 0.2931, 0.2207.

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

25.6820, 0.2931, 0.2207

Protanopia

25.8941, 0.2276, 0.2134

Deuteranopia

25.7794, 0.2474, 0.2413



Tritanopia

25.6716, 0.3452, 0.3138

Trichromacy



Original Color

25.6820, 0.2931, 0.2207

Protanomaly

25.3723, 0.2469, 0.2146

Deuteranomaly

25.2161, 0.2623, 0.2319

Tritanomaly

25.3884, 0.3256, 0.2763

Monochromacy



Original Color

25.6820, 0.2931, 0.2207

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.3880, 0.3061, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6820, 0.2931, 0.2207 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(175, 116, 198)` looks like.

```
.text, #text, p{  
    color:rgb(175, 116, 198)  
}
```

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(175, 116, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 116, 198) }
```

Border

The CSS property to change the border of an element to Yxy 25.6820, 0.2931, 0.2207 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(175, 116, 198) }
```

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

```
.border{ border-color:rgb(175, 116, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 116, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 116, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 116, 198);  
box-shadow:4px 4px 4px 4px rgb(175, 116,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6820, 0.2931, 0.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 116, 198) }
```

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

```
.background{ background-color: rgb(175,  
116, 198) }
```

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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