

Converting Colors

$Y_{xy}(25.6785, 0.2701, 0.2035)$

Have a look what the booklet for
Yxy(25.6785, 0.2701, 0.2035)
contains.

Yxy(25.5260, 0.2700, 0.2034)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.5260, 0.2700, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	A575D5
RGB	165, 117, 213
RGB Percent	65%, 46%, 84%
CMY	0.3530, 0.5411, 0.1647
CMYK	0.23, 0.45, 0.00, 0.16
HSL	270°, 53%, 65%
HSV	270°, 45%, 84%
XYZ	33.8841, 25.5260, 66.0865
YIQ	142.2960, -2.2080, 40.0320

Conversions

Conversions Part 2

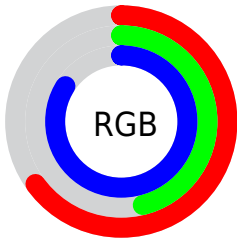
Format	Color
R_{YB}	165, 117, 213
Decimal	10843605
CIE _{Lab}	57.58, 37.36, -42.47
CIE _{LCh}	58, 56.559, 311.339
Yxy	25.5260, 0.2700, 0.2034
Android (android.graphics.Color)	4289033685 (0xFFA575D5)
YUV	142.2960, 34.8571, 19.9114
Hunter-Lab	50.5233, 31.2976, -42.1875

Details

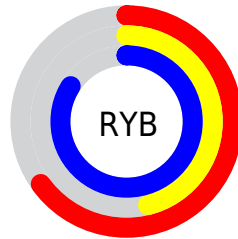
The Yxy color **25.5260, 0.2700, 0.2034** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.8720, 0.3403, 0.4551**, and the grayscale version is **27.0340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4990, 0.2905, 0.2392**, and **9.8624, 0.2537, 0.1698** is the 20% darker color. If you saturate the color by 10%, you get **20.0196, 0.2574, 0.1743**, and if you desaturate by 10%, it is **32.2587, 0.2817, 0.2332**.

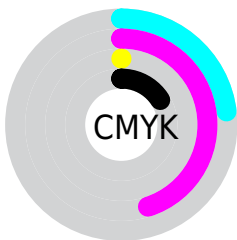
Distribution



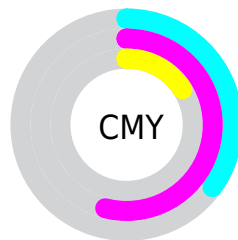
- Red (65%)
- Green (46%)
- Blue (84%)



- Red (65%)
- Yellow (46%)
- Blue (84%)



- Cyan (23%)
- Magenta (45%)
- Yellow (0%)
- Black (16%)




- Cyan (35%)
- Magenta (54%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5260, 0.2700, 0.2034 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 25.5260, 0.2700, 0.2034 by changing the saturation by 10% instead.

 25.5260, 0.2700,
0.2034


 25.5260, 0.2700,
0.2034


280.4474, 0.2945,
0.2654


 16.4694, 0.2630,
0.1886


 52.5093, 0.2796,
0.2255

 9.8569, 0.2536,
0.1702


 71.2047, 0.2830,
0.2339

 5.3042, 0.2404,
0.1468


 93.8819, 0.2858,
0.2411

 2.4268, 0.2210,
0.1168

120.9252, 0.2881,
0.2473

 0.8396, 0.1909,
0.0785

152.7190, 0.2901,
0.2527

 0.0000, 0.1445,
0.0000

189.6477, 0.2918,

 0.0000, 0.0000,

0.2575

0.0000

232.0957, 0.2932,
0.2617

■ 25.5260, 0.2700,
0.2034

■ 25.5260, 0.2700,
0.2034

■ 20.0196, 0.2574,
0.1743

■ 32.2587, 0.2817,
0.2332

■ 15.6566, 0.2442,
0.1474

■ 40.2872, 0.2921,
0.2625

■ 12.3483, 0.2309,
0.1242

■ 49.6791, 0.3013,
0.2905

■ 9.9907, 0.2182,
0.1059

■ 60.4967, 0.3092,
0.3166

■ 8.4574, 0.2067,
0.0931

■ 72.7979, 0.3159,
0.3406

7.8949, 0.2014,
0.0883

86.6377, 0.3215,
0.3623

94.7730, 0.3275,
0.3714

96.6885, 0.3344,
0.3705

97.5837, 0.3376,
0.3701

Harmonies

Analogous

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



25.5260, 0.1994, 0.1892



25.5260, 0.2700, 0.2034



25.5260, 0.3665, 0.2414

Triad

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



25.5260, 0.2700, 0.2034



25.5260, 0.4813, 0.4287



25.5260, 0.1819, 0.3407

Complementary

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



25.5260, 0.2700, 0.2034



56.8720, 0.3403, 0.4551

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.



25.5260, 0.2444, 0.4481



25.5260, 0.2700, 0.2034



25.5260, 0.4169, 0.4882

Square

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



25.5260, 0.2700, 0.2034



25.5260, 0.5006, 0.3613



25.5260, 0.3307, 0.5068



25.5260, 0.1552, 0.2513

Rectangle

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



25.5260, 0.2700, 0.2034



25.5260, 0.4307, 0.2770



25.5260, 0.3307, 0.5068



25.5260, 0.1990, 0.3773

Sweetspot

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



25.5270, 0.2700, 0.2034



76.0684, 0.3021, 0.2930



36.0792, 0.2410, 0.2627



15.5756, 0.3002, 0.2870



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.



25.5270, 0.2700, 0.2034



30.4659, 0.2580, 0.1758



31.4370, 0.3162, 0.2192



12.3105, 0.3059, 0.3055



4.8837, 0.2028, 0.0891



0.3438, 0.2217, 0.0995

Inverse Universe

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



29.5890, 0.3712, 0.2705



37.6057, 0.3899, 0.2594



52.7642, 0.3071, 0.4689



12.5234, 0.3214, 0.3174



9.3045, 0.4946, 0.2498



0.5779, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 25.5260, 0.2700, 0.2034 looks on a white background.

Color Contrast Check

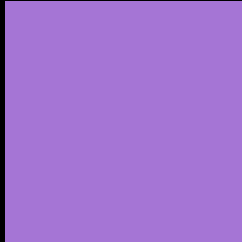
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5260, 0.2700, 0.2034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

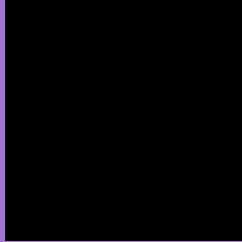
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5260, 0.2700, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 25.5260, 0.2700, 0.2034.



This preview shows how white text looks on a background with the Yxy color 25.5260, 0.2700, 0.2034.

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

25.5260, 0.2700, 0.2034

Protanopia

25.6944, 0.2136, 0.1956

Deuteranopia

25.8446, 0.2282, 0.2222



Tritanopia

25.5305, 0.3248, 0.3131

Trichromacy



Original Color

25.5260, 0.2700, 0.2034

Protanomaly

25.0511, 0.2302, 0.1965

Deuteranomaly

25.1304, 0.2408, 0.2133

Tritanomaly

25.1740, 0.3034, 0.2674

Monochromacy



Original Color

25.5260, 0.2700, 0.2034

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.0862, 0.2959, 0.2754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5260, 0.2700, 0.2034 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(165, 117, 213)` looks like.

```
.text, #text, p{  
    color:rgb(165, 117, 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(165, 117, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 117, 213) }
```

Border

The CSS property to change the border of an element to Yxy 25.5260, 0.2700, 0.2034 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(165, 117, 213) }
```

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

```
.border{ border-color:rgb(165, 117, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 117, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 117, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 117, 213);  
box-shadow:4px 4px 4px 4px rgb(165, 117,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5260, 0.2700, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 117, 213) }
```

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

```
.background{ background-color: rgb(165,  
117, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor