

Converting Colors

$Y_{xy}(24.1881, 0.2591, 0.1845)$

Have a look what the booklet for
Yxy(24.1881, 0.2591, 0.1845)
contains.

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Color

Yxy(24.2661, 0.2596, 0.1853)

Conversions

Conversions Part 1

Format	Color
Hex	A36EDF
RGB	163, 110, 223
RGB Percent	64%, 43%, 87%
CMY	0.3608, 0.5686, 0.1255
CMYK	0.27, 0.51, 0.00, 0.13
HSL	268°, 64%, 65%
HSV	268°, 51%, 87%
XYZ	33.9961, 24.2661, 72.6935
YIQ	138.7290, -4.6850, 46.3790

Conversions

Conversions Part 2

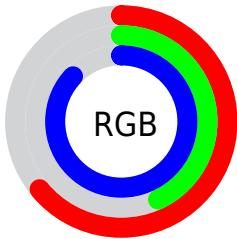
Format	Color
R_{YB}	163, 110, 223
Decimal	10710751
CIE Lab	56.35, 43.06, -50.05
CIE LCh	56, 66.023, 310.702
Yxy	24.2661, 0.2596, 0.1853
Android (android.graphics.Color)	4288900831 (0xFFA36EDF)
YUV	138.7290, 41.5456, 21.2857
Hunter-Lab	49.2606, 36.9816, -53.0114

Details

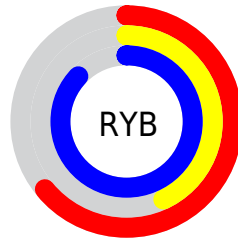
The Yxy color **24.2661, 0.2596, 0.1853** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **62.4405, 0.3452, 0.4708**, and the grayscale version is **25.5490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6300, 0.2887, 0.2315**, and **9.2099, 0.2401, 0.1496** is the 20% darker color. If you saturate the color by 10%, you get **18.8531, 0.2458, 0.1567**, and if you desaturate by 10%, it is **31.0085, 0.2726, 0.2154**.

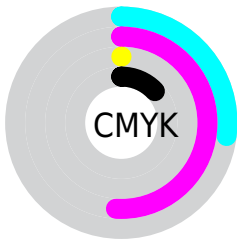
Distribution



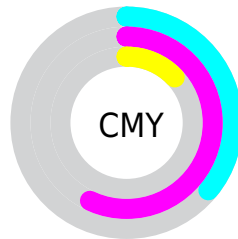
- Red (64%)
- Green (43%)
- Blue (87%)



- Red (64%)
- Yellow (43%)
- Blue (87%)



- Cyan (27%)
- Magenta (51%)
- Yellow (0%)
- Black (13%)




- Cyan (36%)
- Magenta (57%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2661, 0.2596, 0.1853 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 24.2661, 0.2596, 0.1853 by changing the saturation by 10% instead.


 24.2661, 0.2596,
0.1853


 24.2661, 0.2596,
0.1853

274.1630, 0.2900,
0.2551


 15.5311, 0.2511,
0.1691


 50.4641, 0.2714,
0.2098

 9.1930, 0.2397,
0.1494


 68.6959, 0.2756,
0.2193

 4.8673, 0.2241,
0.1249


 90.8621, 0.2791,
0.2274

 2.1696, 0.2016,
0.0946

 117.3471, 0.2820,
0.2345

 0.7033, 0.1685,
0.0575

148.5353, 0.2845,
0.2406

 0.0000, 0.1189,
0.0000

184.8111, 0.2866,

 0.0000, 0.0000,

0.2460

0.0000

226.5589, 0.2884,
0.2508

■ 24.2661, 0.2596,
0.1853

■ 24.2661, 0.2596,
0.1853

■ 18.8531, 0.2458,
0.1567

■ 31.0085, 0.2726,
0.2154

■ 14.6709, 0.2318,
0.1311

■ 39.1636, 0.2845,
0.2455

■ 11.6111, 0.2182,
0.1101


■ 48.8108, 0.2951,
0.2747


■ 9.5440, 0.2056,
0.0947


■ 60.0230, 0.3043,
0.3021

■ 8.3042, 0.1952,
0.0849

■ 72.8680, 0.3122,
0.3274

 87.4095, 0.3189,
0.3504

 96.4185, 0.3257,
0.3607

 98.1069, 0.3316,
0.3602

Harmonies

Analogous

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



24.2661, 0.1811, 0.1697



24.2661, 0.2596, 0.1853



24.2661, 0.3725, 0.2269

Triad

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



24.2661, 0.2596, 0.1853



24.2661, 0.5060, 0.4346



24.2661, 0.1620, 0.3431

Complementary

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



24.2661, 0.2596, 0.1853



62.4405, 0.3452, 0.4708

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.



24.2661, 0.2321, 0.4765



24.2661, 0.2596, 0.1853



24.2661, 0.4293, 0.5094

Square

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



24.2661, 0.2596, 0.1853



24.2661, 0.5322, 0.3583



24.2661, 0.3304, 0.5428



24.2661, 0.1335, 0.2374

Rectangle

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



24.2661, 0.2596, 0.1853



24.2661, 0.4499, 0.2661



24.2661, 0.3304, 0.5428



24.2661, 0.1808, 0.3882

Sweetspot

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



24.2670, 0.2596, 0.1853



74.3259, 0.3004, 0.2901



37.4915, 0.2326, 0.2552



15.2232, 0.2984, 0.2843



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.



24.2670, 0.2596, 0.1853



25.0447, 0.2447, 0.1545



31.5756, 0.3146, 0.2062



13.5568, 0.3054, 0.3053



4.9495, 0.1968, 0.0858



0.3960, 0.2139, 0.0952

Inverse Universe

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



29.7427, 0.3778, 0.2598



33.6488, 0.3992, 0.2478



57.4563, 0.3073, 0.4890



13.8216, 0.3209, 0.3166



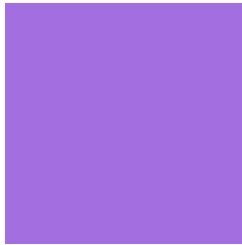
10.0224, 0.4821, 0.2429



0.7128, 0.4505, 0.2255

Previews

White Background



This preview shows how the Yxy color 24.2661, 0.2596, 0.1853 looks on a white background.

Color Contrast Check

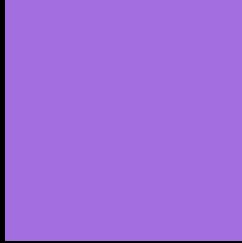
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2661, 0.2596, 0.1853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

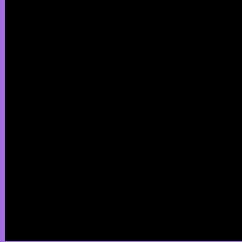
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2661, 0.2596, 0.1853

Background



This preview shows how black text looks on a background with the Yxy color 24.2661, 0.2596, 0.1853.



This preview shows how white text looks on a background with the Yxy color 24.2661, 0.2596, 0.1853.

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

24.2661, 0.2596, 0.1853

Protanopia

24.7835, 0.1975, 0.1750

Deuteranopia

24.6965, 0.2119, 0.2061



Tritanopia

24.1546, 0.3227, 0.3127

Trichromacy



Original Color

24.2661, 0.2596, 0.1853



Protanomaly

23.8509, 0.2138, 0.1764



Deuteranomaly

23.9909, 0.2252, 0.1959



Tritanomaly

23.8405, 0.2970, 0.2577

Monochromacy



Original Color

24.2661, 0.2596, 0.1853



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.6365, 0.2918, 0.2644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2661, 0.2596, 0.1853 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, 110, 223)` looks like.

```
.text, #text, p{  
    color:rgb(163, 110, 223)  
}
```

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, 110, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 110, 223) }
```

Border

The CSS property to change the border of an element to Yxy 24.2661, 0.2596, 0.1853 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, 110, 223) }
```

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

```
.border{ border-color:rgb(163, 110, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 110, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 110, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 110, 223);  
box-shadow:4px 4px 4px 4px rgb(163, 110,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2661, 0.2596, 0.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 110, 223) }
```

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

```
.background{ background-color: rgb(163,  
110, 223) }
```

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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