

Converting Colors

$Y_{xy}(25.9390, 0.2674, 0.1942)$

Have a look what the booklet for
Yxy(25.9390, 0.2674, 0.1942)
contains.

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Color

Yxy(26.0814, 0.2674, 0.1943)

Conversions

Conversions Part 1

Format	Color
Hex	AA73DE
RGB	170, 115, 222
RGB Percent	67%, 45%, 87%
CMY	0.3333, 0.5490, 0.1294
CMYK	0.23, 0.48, 0.00, 0.13
HSL	271°, 62%, 66%
HSV	271°, 48%, 87%
XYZ	35.8938, 26.0814, 72.2574
YIQ	143.6430, -1.5670, 44.9370

Conversions

Conversions Part 2

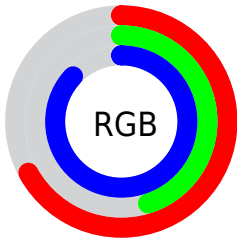
Format	Color
R _Y B	170, 115, 222
Decimal	11170782
CIE Lab	58.11, 41.95, -46.67
CIE LCh	58, 62.750, 311.953
Yxy	26.0814, 0.2674, 0.1943
Android (android.graphics.Color)	4289360862 (0xFFAA73DE)
YUV	143.6430, 38.6300, 23.1151
Hunter-Lab	51.0700, 36.0838, -48.1388

Details

The Yxy color **26.0814, 0.2674, 0.1943** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **61.7036, 0.3405, 0.4653**, and the grayscale version is **27.5821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5562, 0.2944, 0.2381**, and **10.1786, 0.2506, 0.1610** is the 20% darker color. If you saturate the color by 10%, you get **20.4606, 0.2549, 0.1660**, and if you desaturate by 10%, it is **33.0221, 0.2791, 0.2239**.

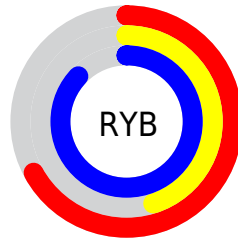
Distribution



Red (67%)

Green (45%)

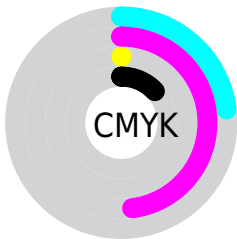
Blue (87%)



Red (67%)

Yellow (45%)

Blue (87%)

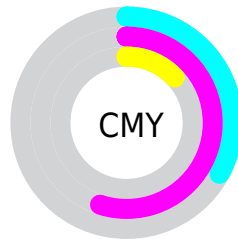


Cyan (23%)

Magenta (48%)

Yellow (0%)

Black (13%)



Cyan (33%)


Magenta (55%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0814, 0.2674, 0.1943 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 26.0814, 0.2674, 0.1943 by changing the saturation by 10% instead.


 26.0814, 0.2674,
0.1943


 26.0814, 0.2674,
0.1943

283.1814, 0.2934,
0.2597

 16.8845, 0.2601,
0.1791

 53.4062, 0.2775,
0.2173

 10.1522, 0.2503,
0.1603


 72.3030, 0.2811,
0.2262

 5.5000, 0.2367,
0.1369


 95.2019, 0.2841,
0.2338

 2.5435, 0.2170,
0.1075

122.4872, 0.2866,
0.2404

 0.8984, 0.1872,
0.0712

154.5435, 0.2887,
0.2461

 0.0000, 0.1449,
0.0000

191.7550, 0.2905,

 0.0000, 0.0000,

0.2512

0.0000

234.5062, 0.2920,
0.2557

■ 26.0814, 0.2674,
0.1943

■ 26.0814, 0.2674,
0.1943

■ 20.4606, 0.2549,
0.1660

■ 33.0221, 0.2791,
0.2239

■ 16.0652, 0.2419,
0.1403

■ 41.3619, 0.2896,
0.2534

■ 12.7927, 0.2290,
0.1187


■ 51.1775, 0.2990,
0.2818

■ 10.5216, 0.2169,
0.1024


■ 62.5389, 0.3070,
0.3086

■ 9.0774, 0.2058,
0.0914

■ 75.5113, 0.3139,
0.3333

 8.8589, 0.2039,
0.0897

 90.1566, 0.3196,
0.3558

 96.3035, 0.3260,
0.3617

 98.0546, 0.3321,
0.3611

Harmonies

Analogous

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



26.0814, 0.1912, 0.1784



26.0814, 0.2674, 0.1943



26.0814, 0.3735, 0.2351

Triad

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



26.0814, 0.2674, 0.1943



26.0814, 0.4934, 0.4348



26.0814, 0.1695, 0.3382

Complementary

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



26.0814, 0.2674, 0.1943



61.7036, 0.3405, 0.4653

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.



26.0814, 0.2350, 0.4598



26.0814, 0.2674, 0.1943



26.0814, 0.4213, 0.5020

Square

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



26.0814, 0.2674, 0.1943



26.0814, 0.5183, 0.3622



26.0814, 0.3277, 0.5259



26.0814, 0.1428, 0.2413

Rectangle

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



26.0814, 0.2674, 0.1943



26.0814, 0.4443, 0.2730



26.0814, 0.3277, 0.5259



26.0814, 0.1870, 0.3791

Sweetspot

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



26.0824, 0.2674, 0.1943



76.1560, 0.3024, 0.2930



37.1122, 0.2354, 0.2543



15.5969, 0.3006, 0.2871



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.



26.0824, 0.2674, 0.1943



27.8374, 0.2545, 0.1653



33.0679, 0.3182, 0.2128



13.5879, 0.3061, 0.3053



5.3279, 0.2054, 0.0905



0.4226, 0.2220, 0.0996

Inverse Universe

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



30.5838, 0.3792, 0.2683



35.0504, 0.4011, 0.2573



57.1316, 0.3056, 0.4811



13.8110, 0.3216, 0.3177



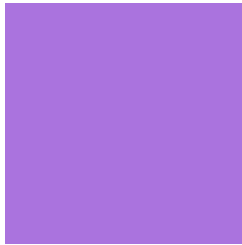
9.8885, 0.5011, 0.2534



0.7035, 0.4659, 0.2340

Previews

White Background



This preview shows how the Yxy color 26.0814, 0.2674, 0.1943 looks on a white background.

Color Contrast Check

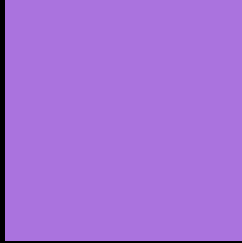
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.0814, 0.2674, 0.1943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

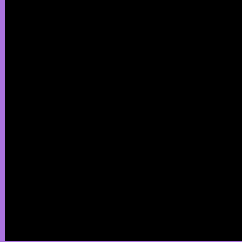
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.0814, 0.2674, 0.1943

Background



This preview shows how black text looks on a background with the Yxy color 26.0814, 0.2674, 0.1943.



This preview shows how white text looks on a background with the Yxy color 26.0814, 0.2674, 0.1943.

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

26.0814, 0.2674, 0.1943

Protanopia

26.3463, 0.2049, 0.1839

Deuteranopia

26.4752, 0.2209, 0.2153



Tritanopia

25.9568, 0.3283, 0.3118

Trichromacy



Original Color

26.0814, 0.2674, 0.1943

Protanomaly

25.5014, 0.2217, 0.1848

Deuteranomaly

25.7070, 0.2339, 0.2048

Tritanomaly

25.5816, 0.3048, 0.2616

Monochromacy



Original Color

26.0814, 0.2674, 0.1943

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.5259, 0.2953, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0814, 0.2674, 0.1943 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(170, 115, 222)` looks like.

```
.text, #text, p{  
    color:rgb(170, 115, 222)  
}
```

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(170, 115, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 115, 222) }
```

Border

The CSS property to change the border of an element to Yxy 26.0814, 0.2674, 0.1943 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(170, 115, 222) }
```

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

```
.border{ border-color:rgb(170, 115, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 115, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 115, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 115, 222);  
box-shadow:4px 4px 4px 4px rgb(170, 115,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 26.0814, 0.2674, 0.1943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 115, 222) }
```

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

```
.background{ background-color: rgb(170,  
115, 222) }
```

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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