

Converting Colors

$Y_{xy}(24.2797, 0.2574, 0.1861)$

Have a look what the booklet for
Yxy(24.2797, 0.2574, 0.1861)
contains.

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Color

Yxy(24.1702, 0.2569, 0.1854)

Conversions

Conversions Part 1

Format	Color
Hex	A06FDF
RGB	160, 111, 223
RGB Percent	63%, 44%, 87%
CMY	0.3728, 0.5646, 0.1255
CMYK	0.28, 0.50, 0.00, 0.13
HSL	266°, 64%, 65%
HSV	266°, 50%, 87%
XYZ	33.4915, 24.1702, 72.7062
YIQ	138.4190, -6.7480, 45.2200

Conversions

Conversions Part 2

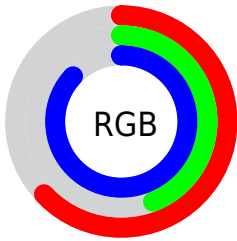
Format	Color
R_{YB}	160, 111, 223
Decimal	10514399
CIE _{Lab}	56.26, 41.70, -50.23
CIE _{LCh}	56, 65.283, 309.701
Yxy	24.1702, 0.2569, 0.1854
Android (android.graphics.Color)	4288704479 (0xFFA06FDF)
YUV	138.4190, 41.6984, 18.9265
Hunter-Lab	49.1632, 35.5642, -53.2682

Details

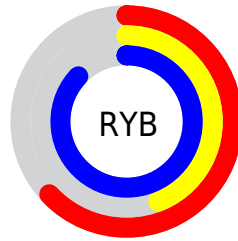
The Yxy color $24.1702, 0.2569, 0.1854$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $62.9273, 0.3477, 0.4682$, and the grayscale version is $25.4239, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.5226, 0.2864, 0.2319$, and $9.1308, 0.2366, 0.1493$ is the 20% darker color. If you saturate the color by 10%, you get $18.6667, 0.2424, 0.1562$, and if you desaturate by 10%, it is $31.0208, 0.2706, 0.2160$.

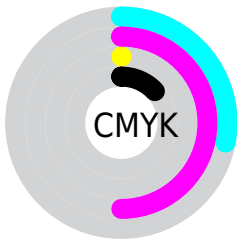
Distribution



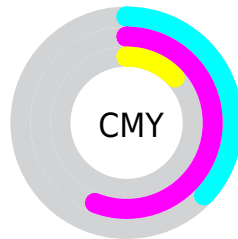
- Red (63%)
- Green (44%)
- Blue (87%)



- Red (63%)
- Yellow (44%)
- Blue (87%)



- Cyan (28%)
- Magenta (50%)
- Yellow (0%)
- Black (13%)





- Cyan (37%)
- Magenta (56%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1702, 0.2569, 0.1854 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 24.1702, 0.2569, 0.1854 by changing the saturation by 10% instead.


 24.1702, 0.2569,
0.1854


 24.1702, 0.2569,
0.1854


273.6798, 0.2886,
0.2552


 15.4599, 0.2481,
0.1692


 50.3078, 0.2692,
0.2100

 9.1428, 0.2363,
0.1493


 68.5039, 0.2736,
0.2195

 4.8344, 0.2201,
0.1248


 90.6308, 0.2772,
0.2276

 2.1505, 0.1971,
0.0944

 117.0727, 0.2803,
0.2346

 0.6928, 0.1633,
0.0571

148.2142, 0.2828,
0.2408

 0.0000, 0.1121,
0.0000

184.4397, 0.2851,

 0.0000, 0.0000,

0.2462

0.0000

226.1334, 0.2870,
0.2510

■ 24.1702, 0.2569,
0.1854

■ 24.1702, 0.2569,
0.1854

■ 18.6667, 0.2424,
0.1562

■ 31.0208, 0.2706,
0.2160

■ 14.4115, 0.2277,
0.1299

■ 39.3021, 0.2832,
0.2464

■ 11.2963, 0.2135,
0.1082


■ 49.0938, 0.2944,
0.2758

■ 9.1917, 0.2005,
0.0922


■ 60.4691, 0.3042,
0.3032

■ 7.8919, 0.1895,
0.0817

■ 73.4960, 0.3126,
0.3285

 88.2389, 0.3197,
0.3514

 96.7754, 0.3269,
0.3606

 98.1073, 0.3316,
0.3601

Harmonies

Analogous

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



24.1702, 0.1802, 0.1709



24.1702, 0.2569, 0.1854



24.1702, 0.3680, 0.2260

Triad

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



24.1702, 0.2569, 0.1854



24.1702, 0.5065, 0.4317



24.1702, 0.1649, 0.3474

Complementary

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



24.1702, 0.2569, 0.1854



62.9273, 0.3477, 0.4682

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.



24.1702, 0.2359, 0.4786



24.1702, 0.2569, 0.1854



24.1702, 0.4317, 0.5060

Square

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



24.1702, 0.2569, 0.1854



24.1702, 0.5299, 0.3560



24.1702, 0.3340, 0.5408



24.1702, 0.1351, 0.2410

Rectangle

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



24.1702, 0.2569, 0.1854



24.1702, 0.4450, 0.2646



24.1702, 0.3340, 0.5408



24.1702, 0.1841, 0.3923

Sweetspot

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



24.1711, 0.2569, 0.1854



74.1182, 0.2996, 0.2900



39.1653, 0.2344, 0.2615



15.1733, 0.2975, 0.2842



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.



24.1711, 0.2569, 0.1854



25.1404, 0.2420, 0.1555



31.2303, 0.3109, 0.2058



13.5347, 0.3049, 0.3053



4.7050, 0.1910, 0.0826



0.3784, 0.2083, 0.0921

Inverse Universe

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



30.1216, 0.3725, 0.2564



34.4004, 0.3910, 0.2442



57.8059, 0.3095, 0.4863



13.8292, 0.3204, 0.3159



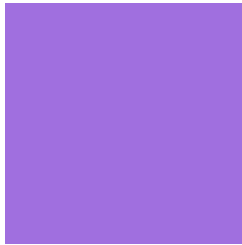
10.1267, 0.4687, 0.2355



0.7198, 0.4397, 0.2196

Previews

White Background



This preview shows how the Yxy color 24.1702, 0.2569, 0.1854 looks on a white background.

Color Contrast Check

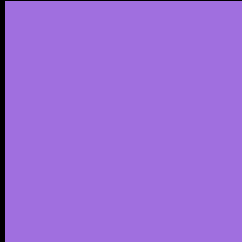
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1702, 0.2569, 0.1854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

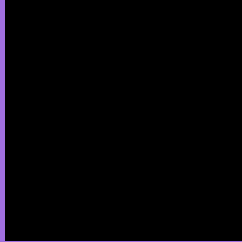
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1702, 0.2569, 0.1854

Background



This preview shows how black text looks on a background with the Yxy color 24.1702, 0.2569, 0.1854.

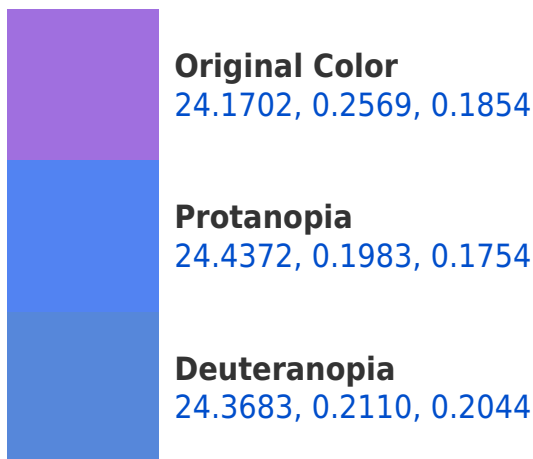


This preview shows how white text looks on a background with the Yxy color 24.1702, 0.2569, 0.1854.

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





Tritanopia

24.1754, 0.3181, 0.3126

Trichromacy



Original Color

24.1702, 0.2569, 0.1854



Protanomaly

23.7285, 0.2136, 0.1770



Deuteranomaly

23.5997, 0.2236, 0.1940



Tritanomaly

23.8396, 0.2928, 0.2572

Monochromacy



Original Color

24.1702, 0.2569, 0.1854



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.4139, 0.2906, 0.2654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1702, 0.2569, 0.1854 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(160, 111, 223)` looks like.

```
.text, #text, p{  
    color:rgb(160, 111, 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(160, 111, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 111, 223) }
```

Border

The CSS property to change the border of an element to Yxy 24.1702, 0.2569, 0.1854 is called "border". The border property can be set on classes, ids or directly on the HTML element.

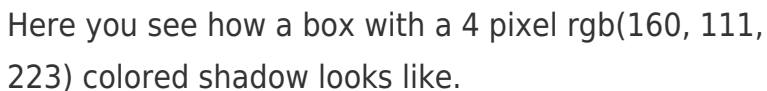
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 111, 223) }
```

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

```
.border{ border-color:rgb(160, 111, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(160, 111, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 111, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 111, 223); box-shadow:4px 4px 4px 4px rgb(160, 111, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1702, 0.2569, 0.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 111, 223) }
```

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

```
.background{ background-color: rgb(160,  
111, 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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