

Converting Colors

$Y_{xy}(24.6657, 0.2565, 0.1868)$

Have a look what the booklet for
Yxy(24.6657, 0.2565, 0.1868)
contains.

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Color

Yxy(24.6657, 0.2565, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	A071E0
RGB	160, 113, 224
RGB Percent	63%, 44%, 88%
CMY	0.3723, 0.5570, 0.1215
CMYK	0.29, 0.50, 0.00, 0.12
HSL	265°, 64%, 66%
HSV	265°, 50%, 88%
XYZ	33.8691, 24.6657, 73.5085
YIQ	139.7070, -7.6190, 44.4850

Conversions

Conversions Part 2

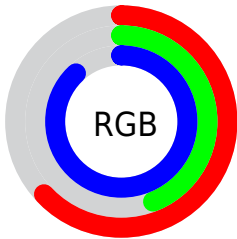
Format	Color
R _Y B	160, 113, 224
Decimal	10514912
CIE Lab	56.75, 40.91, -50.02
CIE LCh	57, 64.622, 309.277
Yxy	24.6657, 0.2565, 0.1868
Android (android.graphics.Color)	4288704992 (0xFFA071E0)
YUV	139.7070, 41.5564, 17.7970
Hunter-Lab	49.6646, 34.8164, -52.9899

Details

The Yxy color **24.6657, 0.2565, 0.1868** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **63.8485, 0.3485, 0.4660**, and the grayscale version is **25.9456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2441, 0.2865, 0.2340**, and **9.3854, 0.2361, 0.1510** is the 20% darker color. If you saturate the color by 10%, you get **19.0099, 0.2417, 0.1572**, and if you desaturate by 10%, it is **31.6947, 0.2705, 0.2176**.

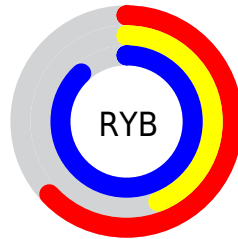
Distribution



Red (63%)

Green (44%)

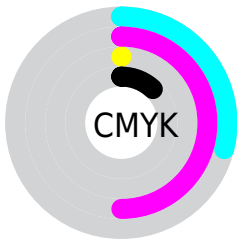
Blue (88%)



Red (63%)

Yellow (44%)

Blue (88%)

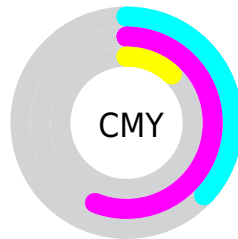


Cyan (29%)

Magenta (50%)

Yellow (0%)

Black (12%)



Cyan (37%)

Magenta (56%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6657, 0.2565, 0.1868 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 24.6657, 0.2565, 0.1868 by changing the saturation by 10% instead.


 24.6657, 0.2565,
0.1868


 24.6657, 0.2565,
0.1868


276.1690, 0.2883,
0.2559

 15.8282, 0.2477,
0.1708


 51.1144, 0.2688,
0.2111


 9.4026, 0.2360,
0.1511


 69.4943, 0.2732,
0.2205

 5.0047, 0.2200,
0.1268


 91.8238, 0.2768,
0.2285

 2.2500, 0.1972,
0.0967

 118.4873, 0.2799,
0.2355

 0.7471, 0.1637,
0.0599

149.8692, 0.2825,
0.2416

 0.0000, 0.1144,
0.0000

186.3538, 0.2847,

 0.0000, 0.0000,

0.2469

0.0000

228.3256, 0.2866,
0.2517

■ 24.6657, 0.2565,
0.1868

■ 24.6657, 0.2565,
0.1868

■ 19.0099, 0.2417,
0.1572

■ 31.6947, 0.2705,
0.2176

■ 14.6277, 0.2268,
0.1305

■ 40.1810, 0.2833,
0.2482

■ 11.4103, 0.2123,
0.1083


■ 50.2053, 0.2946,
0.2775


■ 9.2281, 0.1991,
0.0918

■ 61.8413, 0.3045,
0.3049


■ 7.8675, 0.1877,
0.0809

■ 75.1579, 0.3131,
0.3300

 7.8171, 0.1873,
0.0805

 90.2200, 0.3203,
0.3527

 97.2945, 0.3279,
0.3594

 98.1627, 0.3309,
0.3591

Harmonies

Analogous

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



24.6657, 0.1812, 0.1728



24.6657, 0.2565, 0.1868



24.6657, 0.3655, 0.2266

Triad

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



24.6657, 0.2565, 0.1868



24.6657, 0.5048, 0.4300



24.6657, 0.1678, 0.3492

Complementary

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



24.6657, 0.2565, 0.1868



63.8485, 0.3485, 0.4660

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.



24.6657, 0.2386, 0.4773



24.6657, 0.2565, 0.1868



24.6657, 0.4320, 0.5030

Square

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



24.6657, 0.2565, 0.1868



24.6657, 0.5264, 0.3553



24.6657, 0.3357, 0.5372



24.6657, 0.1375, 0.2437

Rectangle

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



24.6657, 0.2565, 0.1868



24.6657, 0.4414, 0.2647



24.6657, 0.3357, 0.5372



24.6657, 0.1870, 0.3932

Sweetspot

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



24.6666, 0.2565, 0.1868



74.0364, 0.2992, 0.2900



40.6310, 0.2358, 0.2652



15.1537, 0.2971, 0.2841



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.



24.6666, 0.2565, 0.1868



25.5972, 0.2420, 0.1577



31.5967, 0.3091, 0.2064



13.5260, 0.3047, 0.3052



4.6139, 0.1888, 0.0814



0.3717, 0.2062, 0.0910

Inverse Universe

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



30.8235, 0.3698, 0.2557



35.0412, 0.3868, 0.2435



58.6657, 0.3107, 0.4836



13.8322, 0.3202, 0.3156



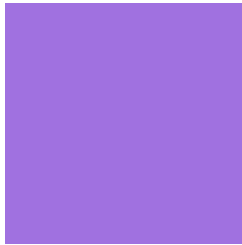
10.1700, 0.4634, 0.2326



0.7227, 0.4355, 0.2172

Previews

White Background



This preview shows how the Yxy color 24.6657, 0.2565, 0.1868 looks on a white background.

Color Contrast Check

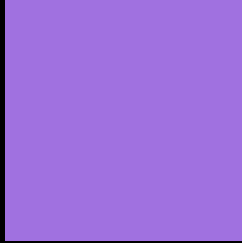
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6657, 0.2565, 0.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

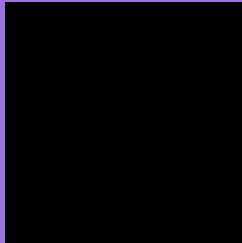
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6657, 0.2565, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 24.6657, 0.2565, 0.1868.



This preview shows how white text looks on a background with the Yxy color 24.6657, 0.2565, 0.1868.

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

24.6657, 0.2565, 0.1868

Protanopia

25.1309, 0.1994, 0.1776

Deuteranopia

25.0805, 0.2123, 0.2067



Tritanopia

24.5054, 0.3158, 0.3110

Trichromacy



Original Color

24.6657, 0.2565, 0.1868



Protanomaly

24.4226, 0.2149, 0.1793



Deuteranomaly

24.2362, 0.2242, 0.1961



Tritanomaly

24.1298, 0.2919, 0.2574

Monochromacy



Original Color

24.6657, 0.2565, 0.1868



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

25.1086, 0.2899, 0.2660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6657, 0.2565, 0.1868 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, 113, 224)` looks like.

```
.text, #text, p{  
    color:rgb(160, 113, 224)  
}
```

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, 113, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 113, 224) }
```

Border

The CSS property to change the border of an element to Yxy 24.6657, 0.2565, 0.1868 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, 113, 224) }
```

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

```
.border{ border-color:rgb(160, 113, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 113, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 113, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 113, 224);  
box-shadow:4px 4px 4px 4px rgb(160, 113,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6657, 0.2565, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 113, 224) }
```

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

```
.background{ background-color: rgb(160,  
113, 224) }
```

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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