

Converting Colors

$Y_{xy}(24.7440, 0.2368, 0.1780)$

Have a look what the booklet for
Yxy(24.7440, 0.2368, 0.1780)
contains.

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Color

Yxy(24.6500, 0.2362, 0.1772)

Conversions

Conversions Part 1

Format	Color
Hex	9075EB
RGB	144, 117, 235
RGB Percent	56%, 46%, 92%
CMY	0.4352, 0.5412, 0.0785
CMYK	0.39, 0.50, 0.00, 0.08
HSL	254°, 75%, 69%
HSV	254°, 50%, 92%
XYZ	32.8574, 24.6500, 81.6010
YIQ	138.5250, -21.7860, 42.4220

Conversions

Conversions Part 2

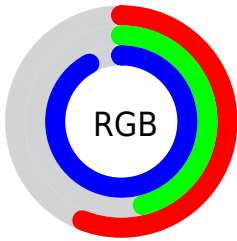
Format	Color
RYB	144, 117, 235
Decimal	9467371
CIELab	56.73, 37.41, -56.27
CIElCh	57, 67.568, 303.620
Yxy	24.6500, 0.2362, 0.1772
Android (android.graphics.Color)	4287657451 (0xFF9075EB)
YUV	138.5250, 47.5622, 4.8016
Hunter-Lab	49.6488, 31.2454, -62.6928

Details

The Yxy color $24.6500, 0.2362, 0.1772$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $74.0870, 0.3658, 0.4601$, and the grayscale version is $25.4493, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.3870, 0.2745, 0.2350$, and $9.3748, 0.2107, 0.1408$ is the 20% darker color. If you saturate the color by 10%, you get $18.3427, 0.2176, 0.1449$, and if you desaturate by 10%, it is $32.5946, 0.2544, 0.2106$.

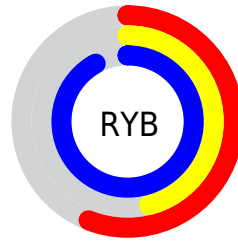
Distribution



Red (56%)

Green (46%)

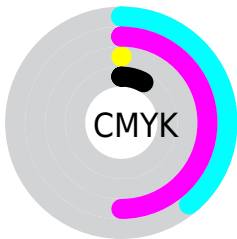
Blue (92%)



Red (56%)

Yellow (46%)

Blue (92%)

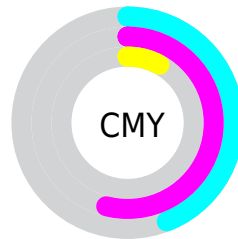


Cyan (39%)

Magenta (50%)

Yellow (0%)

Black (8%)



Cyan (44%)

Magenta (54%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6500, 0.2362, 0.1772 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 24.6500, 0.2362, 0.1772 by changing the saturation by 10% instead.


 24.6500, 0.2362,
0.1772


 24.6500, 0.2362,
0.1772


276.0904, 0.2781,
0.2503


 15.8165, 0.2251,
0.1606


 51.0889, 0.2520,
0.2027

 9.3944, 0.2108,
0.1404

 69.4630, 0.2578,
0.2126

 4.9993, 0.1918,
0.1159


 91.7861, 0.2626,
0.2211

 2.2469, 0.1660,
0.0862

118.4426, 0.2666,
0.2285

 0.7454, 0.1304,
0.0515

149.8169, 0.2701,
0.2350

 0.0000, 0.0804,
0.0000

186.2934, 0.2731,

 0.0000, 0.0000,

0.2407

0.0000

228.2564, 0.2758,
0.2458

■ 24.6500, 0.2362,
0.1772

■ 24.6500, 0.2362,
0.1772

■ 18.3427, 0.2176,
0.1449

■ 32.5946, 0.2544,
0.2106

■ 13.5530, 0.1997,
0.1160

■ 42.2797, 0.2715,
0.2434

■ 10.1482, 0.1837,
0.0924

■ 53.8025, 0.2869,
0.2744

■ 7.9708, 0.1707,
0.0759

■ 67.2527, 0.3006,
0.3029

■ 6.7758, 0.1613,
0.0662

■ 82.7137, 0.3125,
0.3285

98.3453, 0.3230,
0.3484

98.7765, 0.3244,
0.3483

Harmonies

Analogous

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



24.6500, 0.1664, 0.1681



24.6500, 0.2362, 0.1772



24.6500, 0.3444, 0.2133

Triad

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



24.6500, 0.2362, 0.1772



24.6500, 0.5208, 0.4165



24.6500, 0.1726, 0.3755

Complementary

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



24.6500, 0.2362, 0.1772



74.0870, 0.3658, 0.4601

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.



24.6500, 0.2524, 0.5054



24.6500, 0.2362, 0.1772



24.6500, 0.4516, 0.4951

Square

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



24.6500, 0.2362, 0.1772



24.6500, 0.5312, 0.3406



24.6500, 0.3544, 0.5460



24.6500, 0.1344, 0.2559

Rectangle

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



24.6500, 0.2362, 0.1772



24.6500, 0.4256, 0.2501



24.6500, 0.3544, 0.5460



24.6500, 0.1949, 0.4227

Sweetspot

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



24.6509, 0.2362, 0.1772



72.8068, 0.2942, 0.2894



55.5814, 0.2409, 0.2961



14.8597, 0.2913, 0.2833



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.



24.6509, 0.2362, 0.1772



22.0450, 0.2175, 0.1448



31.2128, 0.2867, 0.1963



14.7154, 0.3015, 0.3049



3.8194, 0.1625, 0.0669



0.3422, 0.1758, 0.0742

Inverse Universe

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



34.9318, 0.3453, 0.2320



35.9276, 0.3541, 0.2160



67.2090, 0.3251, 0.4795



15.2513, 0.3173, 0.3110



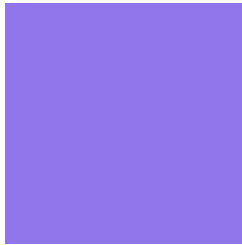
11.7108, 0.3888, 0.1916



0.9340, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 24.6500, 0.2362, 0.1772 looks on a white background.

Color Contrast Check

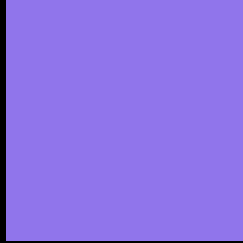
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6500, 0.2362, 0.1772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

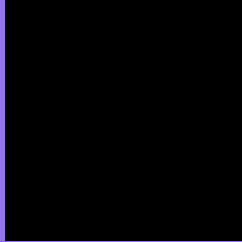
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6500, 0.2362, 0.1772

Background



This preview shows how black text looks on a background with the Yxy color 24.6500, 0.2362, 0.1772.



This preview shows how white text looks on a background with the Yxy color 24.6500, 0.2362, 0.1772.

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

24.6500, 0.2362, 0.1772

Protanopia

24.9412, 0.1935, 0.1695

Deuteranopia

24.8898, 0.1986, 0.1919



Tritanopia

24.6320, 0.2873, 0.3101

Trichromacy



Original Color

24.6500, 0.2362, 0.1772

Protanomaly

24.5380, 0.2051, 0.1709

Deuteranomaly

24.2783, 0.2086, 0.1850

Tritanomaly

24.0858, 0.2661, 0.2505

Monochromacy



Original Color

24.6500, 0.2362, 0.1772

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.9513, 0.2811, 0.2623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6500, 0.2362, 0.1772 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(144, 117, 235)` looks like.

```
.text, #text, p{  
    color:rgb(144, 117, 235)  
}
```

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(144, 117, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 117, 235) }
```

Border

The CSS property to change the border of an element to Yxy 24.6500, 0.2362, 0.1772 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(144, 117, 235) }
```

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

```
.border{ border-color:rgb(144, 117, 235) }
```

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

Here you see how a box with a 4 pixel rgb(144, 117, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 117, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 117, 235);  
box-shadow:4px 4px 4px 4px rgb(144, 117,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6500, 0.2362, 0.1772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 117, 235) }
```

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

```
.background{ background-color: rgb(144,  
117, 235) }
```

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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