

Converting Colors

$Y_{xy}(24.8314, 0.2502, 0.1948)$

Have a look what the booklet for
Yxy(24.8314, 0.2502, 0.1948)
contains.

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Color

Yxy(24.7505, 0.2503, 0.1942)

Conversions

Conversions Part 1

Format	Color
Hex	9577DC
RGB	149, 119, 220
RGB Percent	58%, 47%, 86%
CMY	0.4159, 0.5332, 0.1373
CMYK	0.32, 0.46, 0.00, 0.14
HSL	258°, 59%, 66%
HSV	258°, 46%, 86%
XYZ	31.9004, 24.7505, 70.7976
YIQ	139.4840, -14.5410, 37.7710

Conversions

Conversions Part 2

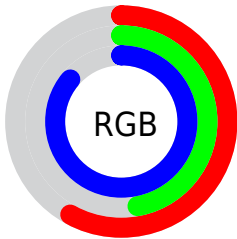
Format	Color
R _Y B	149, 119, 220
Decimal	9795548
CIE Lab	56.83, 33.55, -47.70
CIE LCh	57, 58.311, 305.119
Yxy	24.7505, 0.2503, 0.1942
Android (android.graphics.Color)	4287985628 (0xFF9577DC)
YUV	139.4840, 39.6944, 8.3455
Hunter-Lab	49.7499, 27.3946, -49.5490

Details

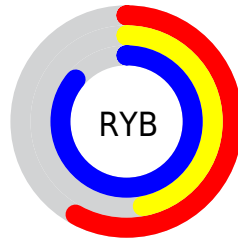
The Yxy color **24.7505, 0.2503, 0.1942** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **63.4692, 0.3566, 0.4511**, and the grayscale version is **25.8624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8469, 0.2784, 0.2382**, and **9.4403, 0.2282, 0.1595** is the 20% darker color. If you saturate the color by 10%, you get **18.7460, 0.2331, 0.1622**, and if you desaturate by 10%, it is **32.1622, 0.2667, 0.2266**.

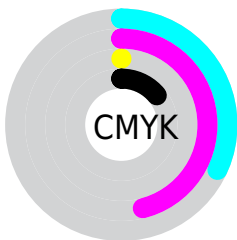
Distribution



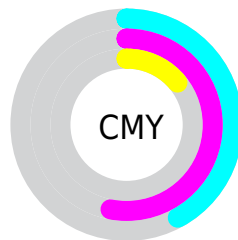
- Red (58%)
- Green (47%)
- Blue (86%)



- Red (58%)
- Yellow (47%)
- Blue (86%)



- Cyan (32%)
- Magenta (46%)
- Yellow (0%)
- Black (14%)





- Cyan (42%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7505, 0.2503, 0.1942 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 24.7505, 0.2503, 0.1942 by changing the saturation by 10% instead.


 24.7505, 0.2503,
0.1942


 24.7505, 0.2503,
0.1942


276.5931, 0.2850,
0.2606


 15.8913, 0.2408,
0.1785


 51.2522, 0.2636,
0.2178

 9.4472, 0.2283,
0.1591


 69.6634, 0.2684,
0.2269

 5.0340, 0.2113,
0.1347


 92.0274, 0.2723,
0.2346

 2.2672, 0.1872,
0.1040

118.7286, 0.2757,
0.2412

 0.7563, 0.1521,
0.0659

150.1514, 0.2785,
0.2470

 0.0000, 0.0949,
0.0000

186.6801, 0.2810,

 0.0000, 0.0000,

0.2521

0.0000

228.6993, 0.2831,
0.2566

■ 24.7505, 0.2503,
0.1942

■ 24.7505, 0.2503,
0.1942

■ 18.7460, 0.2331,
0.1622

■ 32.1622, 0.2667,
0.2266

■ 14.0535, 0.2157,
0.1324

■ 41.0621, 0.2816,
0.2580

■ 10.5702, 0.1993,
0.1068

■ 51.5284, 0.2950,
0.2874

■ 8.1758, 0.1847,
0.0871

■ 63.6327, 0.3066,
0.3144

■ 6.7231, 0.1729,
0.0742

■ 77.4423, 0.3166,
0.3386

■ 6.2969, 0.1688,
0.0703

■ 93.0206, 0.3252,
0.3602

■ 97.9467, 0.3334,
0.3631

Harmonies

Analogous

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



24.7505, 0.1848, 0.1850



24.7505, 0.2503, 0.1942



24.7505, 0.3465, 0.2285

Triad

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



24.7505, 0.2503, 0.1942



24.7505, 0.4959, 0.4163



24.7505, 0.1875, 0.3644

Complementary

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



24.7505, 0.2503, 0.1942



63.4692, 0.3566, 0.4511

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.



24.7505, 0.2585, 0.4731



24.7505, 0.2503, 0.1942



24.7505, 0.4361, 0.4824

Square

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



24.7505, 0.2503, 0.1942



24.7505, 0.5042, 0.3471



24.7505, 0.3496, 0.5163



24.7505, 0.1528, 0.2635

Rectangle

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



24.7505, 0.2503, 0.1942



24.7505, 0.4157, 0.2628



24.7505, 0.3496, 0.5163



24.7505, 0.2075, 0.4034

Sweetspot

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



24.7514, 0.2503, 0.1942



74.8427, 0.2972, 0.2924



46.5195, 0.2447, 0.2901



15.2784, 0.2945, 0.2863



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.



24.7514, 0.2503, 0.1942



26.5234, 0.2338, 0.1635



30.3882, 0.2964, 0.2103



12.8032, 0.3027, 0.3052



3.7464, 0.1701, 0.0711



0.2867, 0.1878, 0.0808

Inverse Universe

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



32.1350, 0.3490, 0.2470



38.2910, 0.3596, 0.2318



58.1671, 0.3200, 0.4667



13.2057, 0.3183, 0.3127



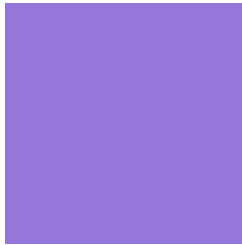
10.3355, 0.4127, 0.2047



0.6844, 0.3942, 0.1945

Previews

White Background



This preview shows how the Yxy color 24.7505, 0.2503, 0.1942 looks on a white background.

Color Contrast Check

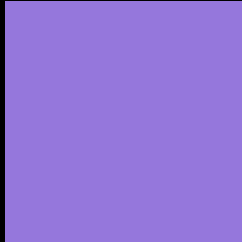
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7505, 0.2503, 0.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

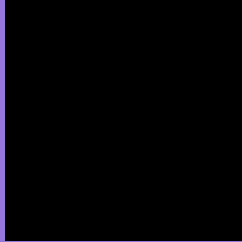
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7505, 0.2503, 0.1942

Background



This preview shows how black text looks on a background with the Yxy color 24.7505, 0.2503, 0.1942.



This preview shows how white text looks on a background with the Yxy color 24.7505, 0.2503, 0.1942.

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

24.7505, 0.2503, 0.1942

Protanopia

24.9854, 0.2075, 0.1878

Deuteranopia

25.1245, 0.2158, 0.2105



Tritanopia

24.7832, 0.2995, 0.3105

Trichromacy



Original Color

24.7505, 0.2503, 0.1942

Protanomaly

24.5505, 0.2200, 0.1893

Deuteranomaly

24.4857, 0.2263, 0.2028

Tritanomaly

24.5102, 0.2790, 0.2603

Monochromacy



Original Color

24.7505, 0.2503, 0.1942

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.1693, 0.2886, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7505, 0.2503, 0.1942 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(149, 119, 220)` looks like.

```
.text, #text, p{  
    color:rgb(149, 119, 220)  
}
```

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(149, 119, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 119, 220) }
```

Border

The CSS property to change the border of an element to Yxy 24.7505, 0.2503, 0.1942 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(149, 119, 220) }
```

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

```
.border{ border-color:rgb(149, 119, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 119, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 119, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 119, 220);  
box-shadow:4px 4px 4px 4px rgb(149, 119,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7505, 0.2503, 0.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 119, 220) }
```

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

```
.background{ background-color: rgb(149,  
119, 220) }
```

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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