

Converting Colors

$Y_{xy}(24.6209, 0.2270, 0.1559)$

Have a look what the booklet for
Yxy(24.6209, 0.2270, 0.1559)
contains.

Yxy(24.6678, 0.2268, 0.1561)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.6678, 0.2268, 0.1561)

Conversions

Conversions Part 1

Format	Color
Hex	946EFF
RGB	148, 110, 255
RGB Percent	58%, 43%, 100%
CMY	0.4197, 0.5686, 0.0000
CMYK	0.42, 0.57, 0.00, 0.00
HSL	256°, 100%, 72%
HSV	256°, 57%, 100%
XYZ	35.8402, 24.6678, 97.5176
YIQ	137.8920, -23.8970, 53.1510

Conversions

Conversions Part 2

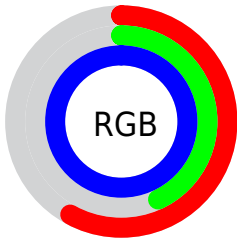
Format	Color
R _Y B	148, 110, 255
Decimal	9727743
CIE _{Lab}	56.75, 47.65, -67.35
CIE _{LCh}	57, 82.503, 305.278
Y _{xy}	24.6678, 0.2268, 0.1561
Android (android.graphics.Color)	4287917823 (0xFF946EFF)
Y _{UV}	137.8920, 57.7342, 8.8647
Hunter-Lab	49.6667, 41.8915, -81.6457

Details

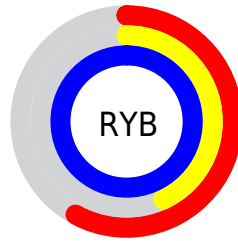
The Yxy color **24.6678, 0.2268, 0.1561** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.4019, 0.3678, 0.4784**, and the grayscale version is **25.1525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6798, 0.2786, 0.2286**, and **9.3868, 0.2002, 0.1188** is the 20% darker color. If you saturate the color by 10%, you get **18.3178, 0.2089, 0.1262**, and if you desaturate by 10%, it is **32.8816, 0.2449, 0.1887**.

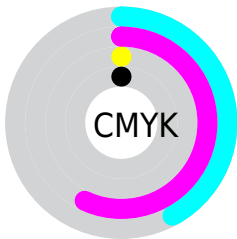
Distribution



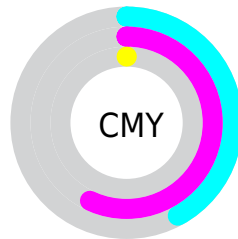
- Red (58%)
- Green (43%)
- Blue (100%)



- Red (58%)
- Yellow (43%)
- Blue (100%)



- Cyan (42%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6678, 0.2268, 0.1561 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 24.6678, 0.2268, 0.1561 by changing the saturation by 10% instead.


 24.6678, 0.2268,
0.1561


 24.6678, 0.2268,
0.1561


276.1795, 0.2734,
0.2362


 15.8297, 0.2149,
0.1389


 51.1178, 0.2441,
0.1832


 9.4037, 0.1997,
0.1187


 69.4985, 0.2506,
0.1940

 5.0055, 0.1800,
0.0950


 91.8289, 0.2560,
0.2034

 2.2505, 0.1541,
0.0678

 118.4933, 0.2605,
0.2116

 0.7473, 0.1202,
0.0382

149.8762, 0.2644,
0.2189

 0.0000, 0.0780,
0.0000

186.3619, 0.2678,

 0.0000, 0.0000,

0.2253

0.0000

228.3349, 0.2708,
0.2310

■ 24.6678, 0.2268,
0.1561

■ 24.6678, 0.2268,
0.1561

■ 18.3178, 0.2089,
0.1262

■ 32.8816, 0.2449,
0.1887

■ 13.6843, 0.1923,
0.1009

■ 43.1017, 0.2622,
0.2218

■ 10.5858, 0.1781,
0.0821

■ 55.4493, 0.2782,
0.2540

■ 8.7979, 0.1671,
0.0705

■ 70.0376, 0.2926,
0.2842

■ 8.4055, 0.1642,
0.0678

■ 86.9717, 0.3051,
0.3117

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.6678, 0.1468, 0.1437



24.6678, 0.2268, 0.1561



24.6678, 0.3569, 0.1974

Triad

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



24.6678, 0.2268, 0.1561



24.6678, 0.5483, 0.4218



24.6678, 0.1425, 0.3730

Complementary

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



24.6678, 0.2268, 0.1561



87.4019, 0.3678, 0.4784

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.



24.6678, 0.2285, 0.5454



24.6678, 0.2268, 0.1561



24.6678, 0.4581, 0.5187

Square

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



24.6678, 0.2268, 0.1561



24.6678, 0.5749, 0.3374



24.6678, 0.3435, 0.5925



24.6678, 0.1065, 0.2314

Rectangle

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



24.6678, 0.2268, 0.1561



24.6678, 0.4565, 0.2388



24.6678, 0.3435, 0.5925



24.6678, 0.1657, 0.4342

Sweetspot

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



24.6657, 0.2268, 0.1561



69.8205, 0.2924, 0.2838



61.0681, 0.2318, 0.2846



14.2789, 0.2896, 0.2779



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.



24.6657, 0.2268, 0.1561



17.7072, 0.2069, 0.1230



33.3937, 0.2861, 0.1811



17.6077, 0.3020, 0.3047



4.4528, 0.1656, 0.0686



0.4837, 0.1767, 0.0747

Inverse Universe

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



37.4235, 0.3564, 0.2247



31.8672, 0.3682, 0.2102



78.7799, 0.3224, 0.5032



18.2144, 0.3178, 0.3116



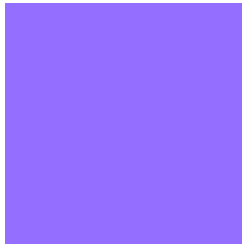
13.0369, 0.4008, 0.1981



1.2873, 0.3896, 0.1920

Previews

White Background



This preview shows how the Yxy color 24.6678, 0.2268, 0.1561 looks on a white background.

Color Contrast Check

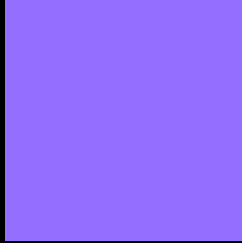
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6678, 0.2268, 0.1561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

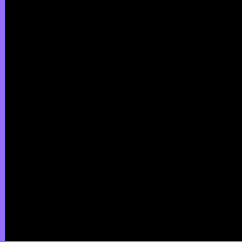
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6678, 0.2268, 0.1561

Background



This preview shows how black text looks on a background with the Yxy color 24.6678, 0.2268, 0.1561.

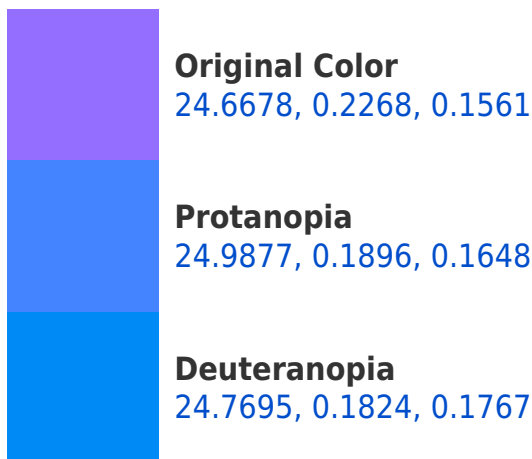


This preview shows how white text looks on a background with the Yxy color 24.6678, 0.2268, 0.1561.

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

24.4845, 0.2853, 0.3099

Trichromacy



Original Color

24.6678, 0.2268, 0.1561



Protanomaly

24.2320, 0.1990, 0.1592



Deuteranomaly

23.0622, 0.1854, 0.1623



Tritanomaly

23.8945, 0.2593, 0.2369

Monochromacy



Original Color

24.6678, 0.2268, 0.1561



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.5253, 0.2756, 0.2483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6678, 0.2268, 0.1561 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(148, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 110, 255)  
}
```

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(148, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.6678, 0.2268, 0.1561 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(148, 110, 255) }
```

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

```
.border{ border-color:rgb(148, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6678, 0.2268, 0.1561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 110, 255) }
```

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

```
.background{ background-color: rgb(148,  
110, 255) }
```

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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