

Converting Colors

$Y_{xy}(25.4008, 0.2255, 0.1599)$

Have a look what the booklet for
Yxy(25.4008, 0.2255, 0.1599)
contains.

Yxy(25.5012, 0.2255, 0.1604)	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(25.5012, 0.2255, 0.1604)

Conversions

Conversions Part 1

Format	Color
Hex	9173FF
RGB	145, 115, 255
RGB Percent	57%, 45%, 100%
CMY	0.4315, 0.5489, 0.0000
CMYK	0.43, 0.55, 0.00, 0.00
HSL	253°, 100%, 73%
HSV	253°, 55%, 100%
XYZ	35.8511, 25.5012, 97.6327
YIQ	139.9300, -27.0600, 49.9000

Conversions

Conversions Part 2

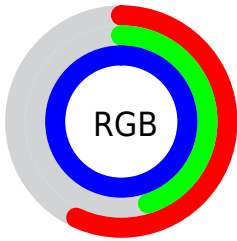
Format	Color
R _Y B	145, 115, 255
Decimal	9532415
CIE Lab	57.56, 44.19, -66.03
CIE LCh	58, 79.455, 303.793
Yxy	25.5012, 0.2255, 0.1604
Android (android.graphics.Color)	4287722495 (0xFF9173FF)
YUV	139.9300, 56.7295, 4.4464
Hunter-Lab	50.4987, 38.3518, -79.2804

Details

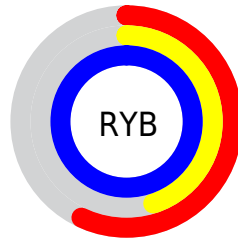
The Yxy color **25.5012, 0.2255, 0.1604** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88.7684, 0.3712, 0.4713**, and the grayscale version is **25.9807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0626, 0.2766, 0.2334**, and **9.9061, 0.1991, 0.1243** is the 20% darker color. If you saturate the color by 10%, you get **18.8052, 0.2069, 0.1292**, and if you desaturate by 10%, it is **34.1281, 0.2443, 0.1938**.

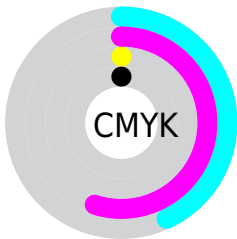
Distribution



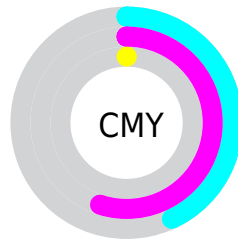
- Red (57%)
- Green (45%)
- Blue (100%)



- Red (57%)
- Yellow (45%)
- Blue (100%)



- Cyan (43%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5012, 0.2255, 0.1604 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 25.5012, 0.2255, 0.1604 by changing the saturation by 10% instead.


 25.5012, 0.2255,
0.1604


 25.5012, 0.2255,
0.1604

280.3248, 0.2724,
0.2388


 16.4509, 0.2136,
0.1435


 52.4692, 0.2429,
0.1870

 9.8438, 0.1984,
0.1235


 71.1556, 0.2493,
0.1976

 5.2955, 0.1789,
0.0998


 93.8228, 0.2547,
0.2068

 2.4217, 0.1532,
0.0724

 120.8552, 0.2594,
0.2148

 0.8370, 0.1195,
0.0425

152.6372, 0.2633,
0.2219

 0.0000, 0.0779,
0.0000

189.5532, 0.2667,

 0.0000, 0.0000,

0.2282

0.0000

231.9876, 0.2698,
0.2338

■ 25.5012, 0.2255,
0.1604

■ 25.5012, 0.2255,
0.1604

■ 18.8052, 0.2069,
0.1292

■ 34.1281, 0.2443,
0.1938

■ 13.8844, 0.1896,
0.1025

■ 44.8196, 0.2624,
0.2274

■ 10.5627, 0.1750,
0.0822

■ 57.7004, 0.2791,
0.2597

■ 8.6244, 0.1640,
0.0695

■ 72.8843, 0.2939,
0.2897

■ 8.0189, 0.1597,
0.0653

■ 90.4775, 0.3070,
0.3168

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



25.5012, 0.1497, 0.1499



25.5012, 0.2255, 0.1604



25.5012, 0.3485, 0.1995

Triad

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



25.5012, 0.2255, 0.1604



25.5012, 0.5440, 0.4178



25.5012, 0.1524, 0.3801

Complementary

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



25.5012, 0.2255, 0.1604



88.7684, 0.3712, 0.4713

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.



25.5012, 0.2387, 0.5391



25.5012, 0.2255, 0.1604



25.5012, 0.4609, 0.5099

Square

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



25.5012, 0.2255, 0.1604



25.5012, 0.5630, 0.3358



25.5012, 0.3511, 0.5794



25.5012, 0.1139, 0.2415

Rectangle

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



25.5012, 0.2255, 0.1604



25.5012, 0.4434, 0.2394



25.5012, 0.3511, 0.5794



25.5012, 0.1761, 0.4377

Sweetspot

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



25.5020, 0.2255, 0.1604



71.0909, 0.2924, 0.2865



65.8024, 0.2359, 0.2952



14.5176, 0.2894, 0.2805



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.



25.5020, 0.2255, 0.1604



18.1769, 0.2049, 0.1260



33.6319, 0.2811, 0.1832



17.5650, 0.3012, 0.3047



4.2422, 0.1609, 0.0660



0.4578, 0.1710, 0.0716

Inverse Universe

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



38.9636, 0.3474, 0.2220



33.1423, 0.3567, 0.2059



79.9222, 0.3266, 0.4947



18.2299, 0.3171, 0.3105



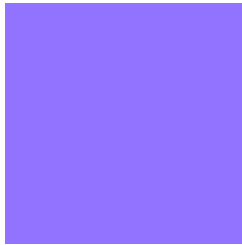
13.3217, 0.3839, 0.1888



1.3129, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 25.5012, 0.2255, 0.1604 looks on a white background.

Color Contrast Check

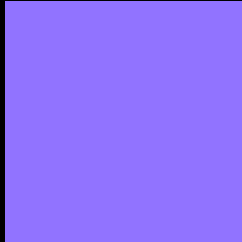
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5012, 0.2255, 0.1604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

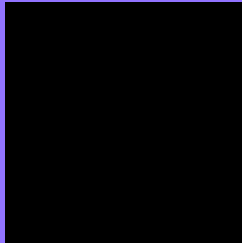
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5012, 0.2255, 0.1604

Background



This preview shows how black text looks on a background with the Yxy color 25.5012, 0.2255, 0.1604.



This preview shows how white text looks on a background with the Yxy color 25.5012, 0.2255, 0.1604.

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

25.5012, 0.2255, 0.1604

Protanopia

25.7661, 0.1923, 0.1681

Deuteranopia

25.5957, 0.1823, 0.1762



Tritanopia

25.2716, 0.2792, 0.3083

Trichromacy



Original Color

25.5012, 0.2255, 0.1604



Protanomaly

25.1081, 0.2008, 0.1632



Deuteranomaly

23.9545, 0.1857, 0.1647



Tritanomaly

24.8094, 0.2559, 0.2400

Monochromacy



Original Color

25.5012, 0.2255, 0.1604



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

25.3608, 0.2750, 0.2517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5012, 0.2255, 0.1604 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(145, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 115, 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(145, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.5012, 0.2255, 0.1604 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(145, 115, 255) }
```

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

```
.border{ border-color:rgb(145, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5012, 0.2255, 0.1604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 115, 255) }
```

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

```
.background{ background-color: rgb(145,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor