

Converting Colors

$Y_{xy}(25.2921, 0.2263, 0.1593)$

Have a look what the booklet for
Yxy(25.2921, 0.2263, 0.1593)
contains.

Yxy(25.3656, 0.2261, 0.1596)	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(25.3656, 0.2261, 0.1596)

Conversions

Conversions Part 1

Format	Color
Hex	9272FF
RGB	146, 114, 255
RGB Percent	57%, 45%, 100%
CMY	0.4271, 0.5531, 0.0000
CMYK	0.43, 0.55, 0.00, 0.00
HSL	254°, 100%, 72%
HSV	254°, 55%, 100%
XYZ	35.9346, 25.3656, 97.6321
YIQ	139.6420, -26.1890, 50.6350

Conversions

Conversions Part 2

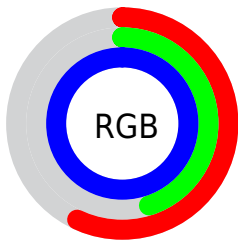
Format	Color
R_{YB}	146, 114, 255
Decimal	9597695
CIE _{Lab}	57.43, 45.04, -66.26
CIE _{LCh}	57, 80.113, 304.205
Yxy	25.3656, 0.2261, 0.1596
Android (android.graphics.Color)	4287787775 (0xFF9272FF)
YUV	139.6420, 56.8715, 5.5760
Hunter-Lab	50.3643, 39.2212, -79.6798

Details

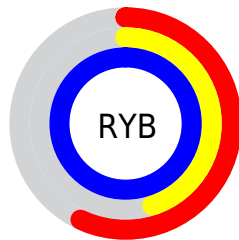
The Yxy color **25.3656, 0.2261, 0.1596** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88.4037, 0.3702, 0.4729**, and the grayscale version is **25.8638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8366, 0.2773, 0.2325**, and **9.7242, 0.1994, 0.1224** is the 20% darker color. If you saturate the color by 10%, you get **18.7408, 0.2077, 0.1287**, and if you desaturate by 10%, it is **33.9023, 0.2447, 0.1928**.

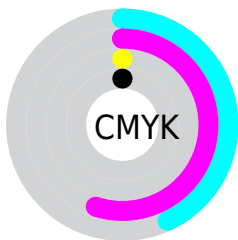
Distribution



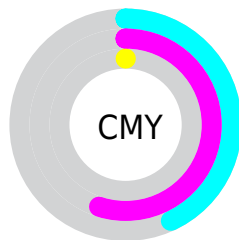
- Red (57%)
- Green (45%)
- Blue (100%)



- 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 25.3656, 0.2261, 0.1596 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 25.3656, 0.2261, 0.1596 by changing the saturation by 10% instead.


 25.3656, 0.2261,
0.1596


 25.3656, 0.2261,
0.1596


279.6538, 0.2728,
0.2383


 16.3496, 0.2142,
0.1426


 52.2497, 0.2434,
0.1863

 9.7719, 0.1991,
0.1226


 70.8867, 0.2498,
0.1969

 5.2480, 0.1796,
0.0990


 93.4994, 0.2552,
0.2062

 2.3935, 0.1539,
0.0716

 120.4723, 0.2598,
0.2142

 0.8225, 0.1202,
0.0417

152.1898, 0.2638,
0.2213

 0.0000, 0.0785,
0.0000

189.0363, 0.2672,

 0.0000, 0.0000,

0.2276

0.0000

231.3962, 0.2701,
0.2333

■ 25.3656, 0.2261,
0.1596

■ 25.3656, 0.2261,
0.1596

■ 18.7408, 0.2077,
0.1287

■ 33.9023, 0.2447,
0.1928

■ 13.8778, 0.1906,
0.1023

■ 44.4895, 0.2626,
0.2263

■ 10.5984, 0.1760,
0.0823

■ 57.2499, 0.2790,
0.2585

■ 8.6862, 0.1649,
0.0698

■ 72.2970, 0.2937,
0.2885

■ 8.1215, 0.1609,
0.0660

■ 89.7364, 0.3066,
0.3157

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.



25.3656, 0.1493, 0.1486



25.3656, 0.2261, 0.1596



25.3656, 0.3506, 0.1993

Triad

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



25.3656, 0.2261, 0.1596



25.3656, 0.5448, 0.4189



25.3656, 0.1501, 0.3781

Complementary

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



25.3656, 0.2261, 0.1596



88.4037, 0.3702, 0.4729

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.



25.3656, 0.2363, 0.5400



25.3656, 0.2261, 0.1596



25.3656, 0.4600, 0.5120

Square

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



25.3656, 0.2261, 0.1596



25.3656, 0.5656, 0.3364



25.3656, 0.3492, 0.5822



25.3656, 0.1123, 0.2391

Rectangle

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



25.3656, 0.2261, 0.1596



25.3656, 0.4465, 0.2395



25.3656, 0.3492, 0.5822



25.3656, 0.1737, 0.4364

Sweetspot

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



25.3647, 0.2261, 0.1596



69.5863, 0.2914, 0.2836



64.3443, 0.2348, 0.2919



14.2242, 0.2885, 0.2777



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.



25.3647, 0.2261, 0.1596



18.3497, 0.2064, 0.1267



33.6995, 0.2829, 0.1830



17.5772, 0.3014, 0.3047



4.2982, 0.1621, 0.0667



0.4649, 0.1726, 0.0724

Inverse Universe

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



38.6079, 0.3497, 0.2230



33.0208, 0.3593, 0.2078



79.5966, 0.3252, 0.4968



18.2254, 0.3173, 0.3108



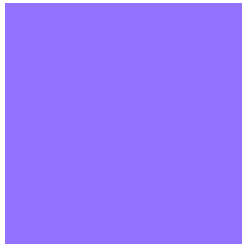
13.2374, 0.3886, 0.1915



1.3054, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 25.3656, 0.2261, 0.1596 looks on a white background.

Color Contrast Check

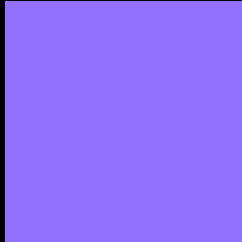
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3656, 0.2261, 0.1596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

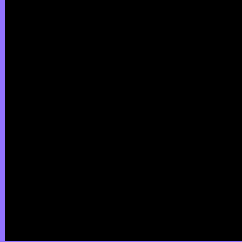
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3656, 0.2261, 0.1596

Background



This preview shows how black text looks on a background with the Yxy color 25.3656, 0.2261, 0.1596.

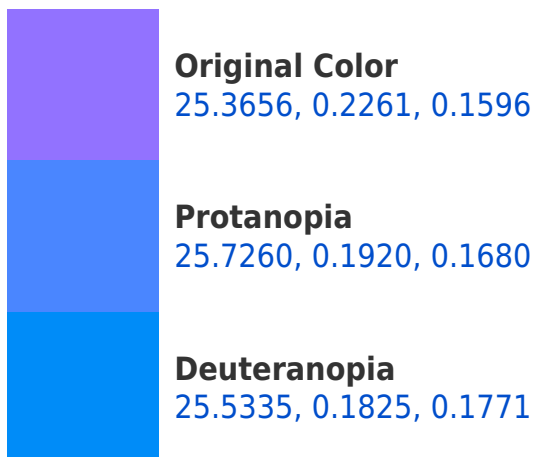


This preview shows how white text looks on a background with the Yxy color 25.3656, 0.2261, 0.1596.

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

25.3817, 0.2820, 0.3101

Trichromacy



Original Color

25.3656, 0.2261, 0.1596



Protanomaly

25.1081, 0.2008, 0.1632



Deuteranomaly

23.9545, 0.1857, 0.1647



Tritanomaly

24.6525, 0.2582, 0.2401

Monochromacy



Original Color

25.3656, 0.2261, 0.1596



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 25.3656, 0.2261, 0.1596 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(146, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 114, 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(146, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 114, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.3656, 0.2261, 0.1596 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(146, 114, 255) }
```

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

```
.border{ border-color:rgb(146, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 114,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3656, 0.2261, 0.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 114, 255) }
```

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

```
.background{ background-color: rgb(146,  
114, 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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