

Converting Colors

$Y_{xy}(25.0546, 0.2146, 0.1392)$

Have a look what the booklet for
Yxy(25.0546, 0.2146, 0.1392)
contains.

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Color

Yxy(23.6391, 0.2247, 0.1515)

Conversions

Conversions Part 1

Format	Color
Hex	926AFF
RGB	146, 106, 255
RGB Percent	57%, 42%, 100%
CMY	0.4274, 0.5843, 0.0000
CMYK	0.43, 0.58, 0.00, 0.00
HSL	256°, 100%, 71%
HSV	256°, 58%, 100%
XYZ	35.0608, 23.6391, 97.3338
YIQ	134.9460, -23.9890, 54.8190

Conversions

Conversions Part 2

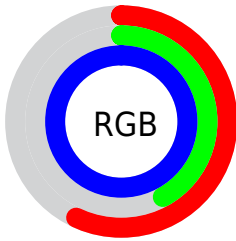
Format	Color
R _Y B	146, 106, 255
Decimal	9595647
CIE _{Lab}	55.72, 49.43, -69.00
CIE _{LCh}	56, 84.879, 305.618
Y _{xy}	23.6391, 0.2247, 0.1515
Android (android.graphics.Color)	4287785727 (0xFF926AFF)
Y _{UV}	134.9460, 59.1866, 9.6944
Hunter-Lab	48.6201, 43.6343, -84.6602

Details

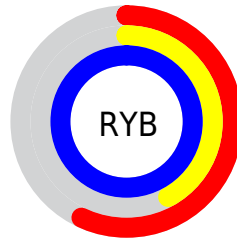
The Yxy color **23.6391, 0.2247, 0.1515** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.0049, 0.3681, 0.4825**, and the grayscale version is **23.9909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9954, 0.2768, 0.2239**, and **8.8380, 0.1968, 0.1135** is the 20% darker color. If you saturate the color by 10%, you get **17.5697, 0.2070, 0.1222**, and if you desaturate by 10%, it is **31.5490, 0.2427, 0.1837**.

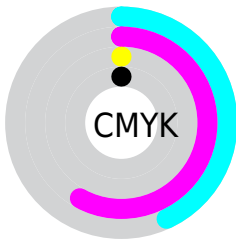
Distribution



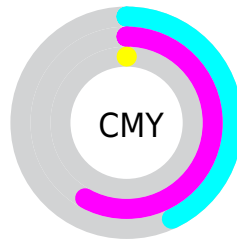
- Red (57%)
- Green (42%)
- Blue (100%)



- Red (57%)
- Yellow (42%)
- Blue (100%)



- Cyan (43%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6391, 0.2247, 0.1515 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 23.6391, 0.2247, 0.1515 by changing the saturation by 10% instead.


 23.6391, 0.2247,
0.1515


 23.6391, 0.2247,
0.1515

270.9908, 0.2727,
0.2336


 15.0661, 0.2124,
0.1340


 49.4406, 0.2426,
0.1792

 8.8658, 0.1968,
0.1135


 67.4379, 0.2492,
0.1903

 4.6538, 0.1765,
0.0896


 89.3455, 0.2547,
0.1999

 2.0456, 0.1500,
0.0625

 115.5477, 0.2594,
0.2083

 0.6338, 0.1155,
0.0329

146.4290, 0.2635,
0.2158

 0.0000, 0.0726,
0.0000

182.3736, 0.2670,

 0.0000, 0.0000,

0.2224

0.0000

223.7661, 0.2700,
0.2283

■ 23.6391, 0.2247,
0.1515

■ 23.6391, 0.2247,
0.1515

■ 17.5697, 0.2070,
0.1222

■ 31.5490, 0.2427,
0.1837

■ 13.1846, 0.1907,
0.0979

■ 41.4380, 0.2601,
0.2168

■ 10.2997, 0.1769,
0.0802

■ 53.4306, 0.2762,
0.2491

■ 8.6617, 0.1663,
0.0695

■ 67.6413, 0.2906,
0.2796

■ 8.4664, 0.1649,
0.0682

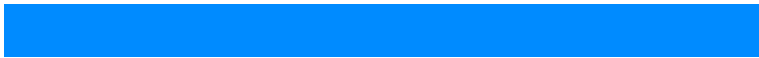
■ 84.1758, 0.3033,
0.3076

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.



23.6391, 0.1425, 0.1385



23.6391, 0.2247, 0.1515



23.6391, 0.3600, 0.1939

Triad

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



23.6391, 0.2247, 0.1515



23.6391, 0.5537, 0.4221



23.6391, 0.1357, 0.3720

Complementary

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



23.6391, 0.2247, 0.1515



87.0049, 0.3681, 0.4825

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.



23.6391, 0.2225, 0.5550



23.6391, 0.2247, 0.1515



23.6391, 0.4585, 0.5235

Square

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



23.6391, 0.2247, 0.1515



23.6391, 0.5847, 0.3361



23.6391, 0.3400, 0.6033



23.6391, 0.1005, 0.2257

Rectangle

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



23.6391, 0.2247, 0.1515



23.6391, 0.4640, 0.2362



23.6391, 0.3400, 0.6033



23.6391, 0.1590, 0.4366

Sweetspot

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



23.6390, 0.2247, 0.1515



68.3093, 0.2912, 0.2809



59.0198, 0.2294, 0.2799



13.6793, 0.2872, 0.2723



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.



23.6390, 0.2247, 0.1515



16.7759, 0.2043, 0.1180



32.7788, 0.2873, 0.1784



17.6137, 0.3021, 0.3047



4.4859, 0.1663, 0.0690



0.4876, 0.1776, 0.0752

Inverse Universe

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



36.4723, 0.3591, 0.2233



31.0060, 0.3718, 0.2091



78.2024, 0.3209, 0.5090



18.2122, 0.3179, 0.3118



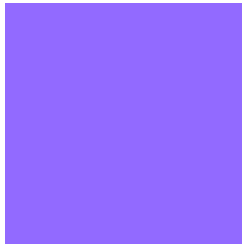
12.9989, 0.4032, 0.1995



1.2839, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 23.6391, 0.2247, 0.1515 looks on a white background.

Color Contrast Check

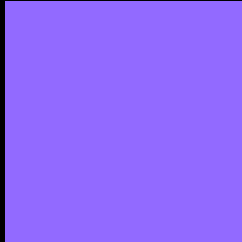
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6391, 0.2247, 0.1515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

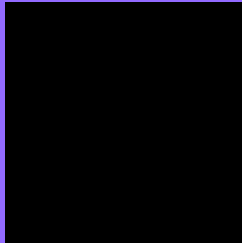
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6391, 0.2247, 0.1515

Background



This preview shows how black text looks on a background with the Yxy color 23.6391, 0.2247, 0.1515.



This preview shows how white text looks on a background with the Yxy color 23.6391, 0.2247, 0.1515.

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

23.6391, 0.2247, 0.1515

Protanopia

23.8812, 0.1858, 0.1598

Deuteranopia

23.8403, 0.1831, 0.1790



Tritanopia

23.6056, 0.2849, 0.3113

Trichromacy



Original Color

23.6391, 0.2247, 0.1515



Protanomaly

23.1189, 0.1949, 0.1543



Deuteranomaly

22.0167, 0.1851, 0.1612



Tritanomaly

22.8795, 0.2585, 0.2343

Monochromacy



Original Color

23.6391, 0.2247, 0.1515



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.1589, 0.2739, 0.2440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6391, 0.2247, 0.1515 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, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 106, 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, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 106, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.6391, 0.2247, 0.1515 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, 106, 255) }
```

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

```
.border{ border-color:rgb(146, 106, 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, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 106,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6391, 0.2247, 0.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 106, 255) }
```

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

```
.background{ background-color: rgb(146,  
106, 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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