

Converting Colors

$Y_{xy}(25.6242, 0.2456, 0.1571)$

Have a look what the booklet for
Yxy(25.6242, 0.2456, 0.1571)
contains.

Yxy(25.6070, 0.2455, 0.1570)	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(25.6070, 0.2455, 0.1570)

Conversions

Conversions Part 1

Format	Color
Hex	AD66FF
RGB	173, 102, 255
RGB Percent	68%, 40%, 100%
CMY	0.3214, 0.6001, 0.0000
CMYK	0.32, 0.60, 0.00, 0.00
HSL	268°, 100%, 70%
HSV	268°, 60%, 100%
XYZ	40.0415, 25.6070, 97.4534
YIQ	140.6710, -6.7970, 62.6350

Conversions

Conversions Part 2

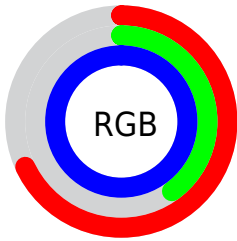
Format	Color
R_{YB}	173, 102, 255
Decimal	11364095
CIE _{Lab}	57.66, 57.31, -65.74
CIE _{LCh}	58, 87.215, 311.084
Yxy	25.6070, 0.2455, 0.1570
Android (android.graphics.Color)	4289554175 (0xFFAD66FF)
YUV	140.6710, 56.3642, 28.3525
Hunter-Lab	50.6034, 52.6879, -78.7600

Details

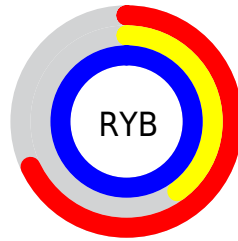
The Yxy color **25.6070, 0.2455, 0.1570** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.6631, 0.3488, 0.4978**, and the grayscale version is **26.2775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1527, 0.2983, 0.2272**, and **9.8727, 0.2228, 0.1206** is the 20% darker color. If you saturate the color by 10%, you get **19.8644, 0.2313, 0.1311**, and if you desaturate by 10%, it is **33.0492, 0.2595, 0.1860**.

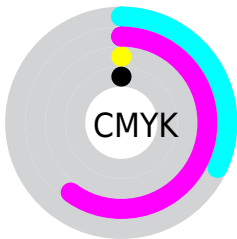
Distribution



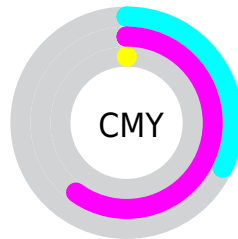
- Red (68%)
- Green (40%)
- Blue (100%)



- Red (68%)
- Yellow (40%)
- Blue (100%)



- Cyan (32%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6070, 0.2455, 0.1570 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 25.6070, 0.2455, 0.1570 by changing the saturation by 10% instead.


 25.6070, 0.2455,
0.1570


 25.6070, 0.2455,
0.1570


280.8475, 0.2832,
0.2357


 16.5299, 0.2355,
0.1403

 52.6403, 0.2598,
0.1835


 9.8999, 0.2226,
0.1205


 71.3652, 0.2650,
0.1941

 5.3326, 0.2055,
0.0974


 94.0748, 0.2693,
0.2033

 2.4437, 0.1825,
0.0707

 121.1535, 0.2730,
0.2114

 0.8482, 0.1508,
0.0416

152.9858, 0.2761,
0.2186

 0.0000, 0.1096,
0.0000

189.9559, 0.2788,


 0.0000, 0.0194,

0.2249

0.0000


232.4484, 0.2812,
0.2306

 0.0000, 0.0000,
0.0000


 25.6070, 0.2455,
0.1570

 25.6070, 0.2455,
0.1570

 19.8644, 0.2313,
0.1311


 33.0492, 0.2595,
0.1860

 15.6706, 0.2175,
0.1098

 42.3241, 0.2727,
0.2163

 12.8457, 0.2048,
0.0942

 53.5504, 0.2847,
0.2467

 11.0998, 0.1936,
0.0840

 66.8370, 0.2954,
0.2761

 82.2843, 0.3048,
0.3036

99.9862, 0.3127,
0.3290

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.



25.6070, 0.1537, 0.1386



25.6070, 0.2455, 0.1570



25.6070, 0.3886, 0.2045

Triad

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



25.6070, 0.2455, 0.1570



25.6070, 0.5398, 0.4397



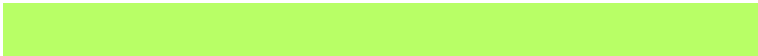
25.6070, 0.1256, 0.3390

Complementary

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



25.6070, 0.2455, 0.1570



82.6631, 0.3488, 0.4978

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.



25.6070, 0.2032, 0.5272



25.6070, 0.2455, 0.1570



25.6070, 0.4377, 0.5419

Square

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



25.6070, 0.2455, 0.1570



25.6070, 0.5862, 0.3507



25.6070, 0.3179, 0.6078



25.6070, 0.0987, 0.2082

Rectangle

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



25.6070, 0.2455, 0.1570



25.6070, 0.4902, 0.2490



25.6070, 0.3179, 0.6078



25.6070, 0.1454, 0.4009

Sweetspot

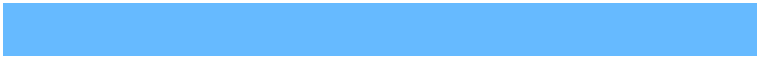
The Sweet Spot groups the original color and five complimentary colors.



25.6069, 0.2455, 0.1570



69.7613, 0.2974, 0.2818



45.2212, 0.2193, 0.2412



14.0305, 0.2945, 0.2735



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.



25.6069, 0.2455, 0.1570



18.9104, 0.2285, 0.1265



36.5568, 0.3122, 0.1863



17.7911, 0.3052, 0.3049



5.8866, 0.1953, 0.0850



0.6374, 0.2078, 0.0918

Inverse Universe

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



34.2177, 0.3962, 0.2481



28.7104, 0.4221, 0.2388



75.7704, 0.3069, 0.5220



18.1498, 0.3210, 0.3163



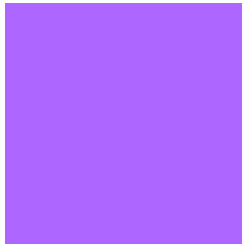
12.0770, 0.4813, 0.2425



1.1980, 0.4579, 0.2296

Previews

White Background



This preview shows how the Yxy color 25.6070, 0.2455, 0.1570 looks on a white background.

Color Contrast Check

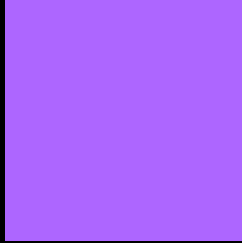
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6070, 0.2455, 0.1570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

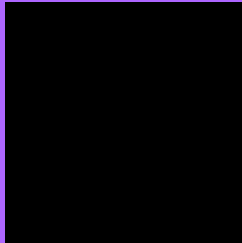
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6070, 0.2455, 0.1570

Background



This preview shows how black text looks on a background with the Yxy color 25.6070, 0.2455, 0.1570.



This preview shows how white text looks on a background with the Yxy color 25.6070, 0.2455, 0.1570.

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

25.6070, 0.2455, 0.1570

Protanopia

26.0844, 0.1930, 0.1695

Deuteranopia

26.1052, 0.1864, 0.1804



Tritanopia

25.4641, 0.3226, 0.3115

Trichromacy



Original Color

25.6070, 0.2455, 0.1570



Protanomaly

24.7654, 0.2055, 0.1606



Deuteranomaly

24.0122, 0.1956, 0.1643



Tritanomaly

24.8533, 0.2908, 0.2401

Monochromacy



Original Color

25.6070, 0.2455, 0.1570



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.3284, 0.2857, 0.2481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6070, 0.2455, 0.1570 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(173, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 102, 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(173, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.6070, 0.2455, 0.1570 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(173, 102, 255) }
```

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

```
.border{ border-color:rgb(173, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6070, 0.2455, 0.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 102, 255) }
```

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

```
.background{ background-color: rgb(173,  
102, 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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