

Converting Colors

Yxy(48.3868, 0.2128, 0.1588)

Have a look what the booklet for
Yxy(48.3868, 0.2128, 0.1588)
contains.

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Color

Yxy(41.6067, 0.2512, 0.2198)

Conversions

Conversions Part 1	
Format	Color
Hex	AAA2FF
RGB	170, 162, 255
RGB Percent	67%, 64%, 100%
CMY	0.3333, 0.3647, 0.0000
CMYK	0.33, 0.36, 0.00, 0.00
HSL	245°, 100%, 82%
HSV	245°, 36%, 100%
XYZ	47.5505, 41.6067, 100.1362
YIQ	174.9940, -25.0850, 30.6190

Conversions

Conversions Part 2

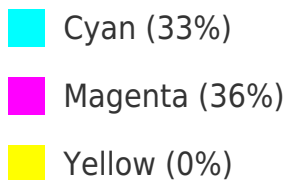
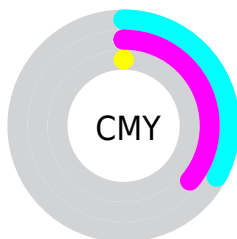
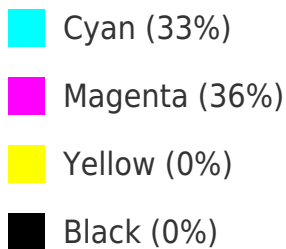
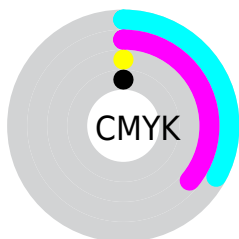
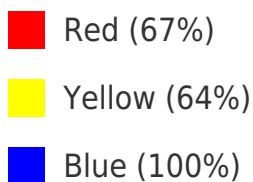
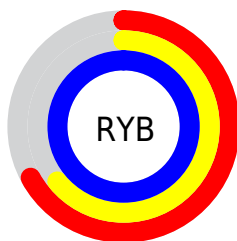
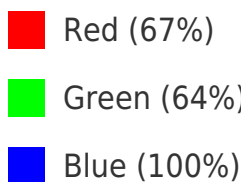
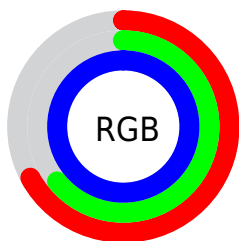
Format	Color
RYB	170, 162, 255
Decimal	11182847
CIELab	70.60, 23.65, -45.19
CIELCh	71, 51.003, 297.632
Yxy	41.6067, 0.2512, 0.2198
Android (android.graphics.Color)	4289372927 (0xFFAAA2FF)
YUV	174.9940, 39.4430, -4.3797
Hunter-Lab	64.5033, 18.7059, -46.8908

Details

The Yxy color $41.6067, 0.2512, 0.2198$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $93.8994, 0.3623, 0.4219$, and the grayscale version is $42.6701, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1766, 0.2952, 0.2898$, and $18.8739, 0.2341, 0.1934$ is the 20% darker color. If you saturate the color by 10%, you get $31.1457, 0.2307, 0.1847$, and if you desaturate by 10%, it is $54.3517, 0.2705, 0.2535$.


Distribution



Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6067, 0.2512, 0.2198 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 41.6067, 0.2512, 0.2198 by changing the saturation by 10% instead.


 41.6067, 0.2512,
0.2198

 41.6067, 0.2512,
0.2198


 352.8500, 0.2823,
0.2709


 28.7935, 0.2436,
0.2082


 77.6040, 0.2624,
0.2375

 18.9246, 0.2340,
0.1941


 101.5569, 0.2667,
0.2444


 11.6158, 0.2215,
0.1765


 129.9918, 0.2703,
0.2504

 6.4827, 0.2048,
0.1543

 163.2931, 0.2734,
0.2555

 3.1407, 0.1818,
0.1258

 201.8451, 0.2760,
0.2601

 1.2056, 0.1491,
0.0894

 246.0324, 0.2784,

 0.0663, 0.1037,

0.2641

0.0107


296.2392, 0.2804,
0.2677

 0.0000, 0.0000,
0.0000


 41.6067, 0.2512,
0.2198


 41.6067, 0.2512,
0.2198


 31.1457, 0.2307,
0.1847


 54.3517, 0.2705,
0.2535

 22.8300, 0.2101,
0.1501


 69.5011, 0.2881,
0.2847

 16.5115, 0.1907,
0.1184

 87.1710, 0.3037,
0.3126

 12.0214, 0.1741,
0.0921

100.0000, 0.3127,
0.3290

 9.1635, 0.1616,
0.0735

■ 7.6945, 0.1538,
0.0633

■ 7.3904, 0.1521,
0.0612

Harmonies

Analogous

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



41.6067, 0.2048, 0.2192



41.6067, 0.2512, 0.2198



41.6067, 0.3201, 0.2427

Triad

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



41.6067, 0.2512, 0.2198



41.6067, 0.4576, 0.3896



41.6067, 0.2305, 0.3766

Complementary

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



41.6067, 0.2512, 0.2198



93.8994, 0.3623, 0.4219

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.



41.6067, 0.2922, 0.4441



41.6067, 0.2512, 0.2198



41.6067, 0.4244, 0.4390

Square

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



41.6067, 0.2512, 0.2198



41.6067, 0.4481, 0.3347



41.6067, 0.3632, 0.4651



41.6067, 0.1933, 0.2996

Rectangle

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



41.6067, 0.2512, 0.2198



41.6067, 0.3711, 0.2681



41.6067, 0.3632, 0.4651



41.6067, 0.2488, 0.4024

Sweetspot

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



41.6079, 0.2512, 0.2198



78.8495, 0.2969, 0.3004



81.5756, 0.2602, 0.3203



16.3659, 0.2948, 0.2966



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.



41.6079, 0.2512, 0.2198



33.5261, 0.2359, 0.1934



47.6970, 0.2857, 0.2296



17.4526, 0.2992, 0.3045



3.8871, 0.1527, 0.0615



0.4028, 0.1585, 0.0647

Inverse Universe

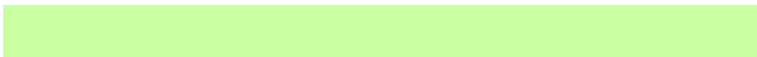
The Inverse Universe completely reimagines the original color for something new.



53.8143, 0.3234, 0.2453



47.4575, 0.3260, 0.2290



86.5113, 0.3312, 0.4321



18.2718, 0.3151, 0.3076



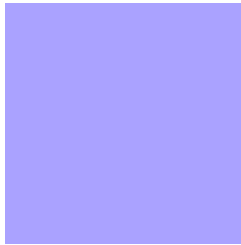
14.1946, 0.3439, 0.1668



1.3897, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 41.6067, 0.2512, 0.2198 looks on a white background.

Color Contrast Check

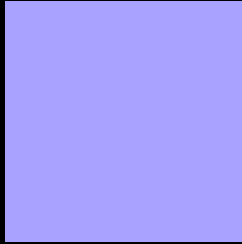
Large Text (above 18pt) WCAG AA × Fail

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 41.6067, 0.2512, 0.2198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

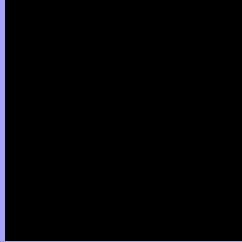
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6067, 0.2512, 0.2198

Background



This preview shows how black text looks on a background with the Yxy color 41.6067, 0.2512, 0.2198.



This preview shows how white text looks on a background with the Yxy color 41.6067, 0.2512, 0.2198.

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

41.6067, 0.2512, 0.2198

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

41.7066, 0.2342, 0.2275



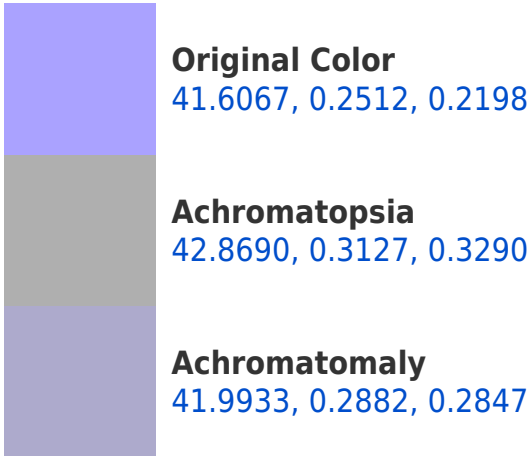
Tritanopia

41.4020, 0.2858, 0.3096

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6067, 0.2512, 0.2198 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(170, 162, 255) looks like.

```
.text, #text, p{  
    color:rgb(170, 162, 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(170, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.6067, 0.2512, 0.2198 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(170, 162, 255) }
```

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

```
.border{ border-color:rgb(170, 162, 255) }
```

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

Here you see how a box with a 4 pixel rgb(170, 162, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6067, 0.2512, 0.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 162, 255) }
```

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

```
.background{ background-color: rgb(170,  
162, 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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