

Converting Colors

$Y_{xy}(40.0240, 0.2261, 0.1750)$

Have a look what the booklet for
Yxy(40.0240, 0.2261, 0.1750)
contains.

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Color

Yxy(37.0320, 0.2458, 0.2047)

Conversions

Conversions Part 1

Format	Color
Hex	A596FF
RGB	165, 150, 255
RGB Percent	65%, 59%, 100%
CMY	0.3531, 0.4117, 0.0000
CMYK	0.35, 0.41, 0.00, 0.00
HSL	249°, 100%, 79%
HSV	249°, 41%, 100%
XYZ	44.4673, 37.0320, 99.4093
YIQ	166.4550, -24.7650, 35.8350

Conversions

Conversions Part 2

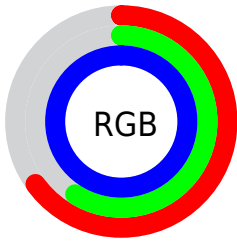
Format	Color
RYB	165, 150, 255
Decimal	10852095
CIELab	67.30, 29.10, -50.40
CIElCh	67, 58.197, 300.000
Yxy	37.0320, 0.2458, 0.2047
Android (android.graphics.Color)	4289042175 (0xFFA596FF)
YUV	166.4550, 43.6527, -1.2760
Hunter-Lab	60.8539, 23.9396, -54.2568

Details

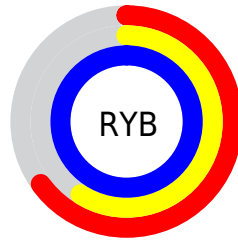
The Yxy color **37.0320, 0.2458, 0.2047** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.2543, 0.3641, 0.4350**, and the grayscale version is **38.1576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0937, 0.2922, 0.2756**, and **16.2521, 0.2262, 0.1754** is the 20% darker color. If you saturate the color by 10%, you get **27.6133, 0.2259, 0.1702**, and if you desaturate by 10%, it is **48.6249, 0.2648, 0.2387**.

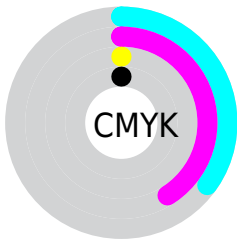
Distribution



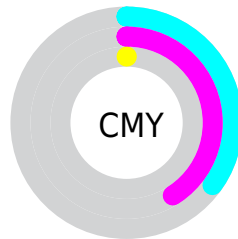
- Red (65%)
- Green (59%)
- Blue (100%)



- Red (65%)
- Yellow (59%)
- Blue (100%)



- Cyan (35%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0320, 0.2458, 0.2047 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 37.0320, 0.2458, 0.2047 by changing the saturation by 10% instead.


 37.0320, 0.2458,
0.2047


 37.0320, 0.2458,
0.2047


333.4490, 0.2802,
0.2629

 25.2323, 0.2373,
0.1916

 70.6220, 0.2583,
0.2248

 16.2502, 0.2264,
0.1758


 93.1811, 0.2630,
0.2326

 9.7014, 0.2123,
0.1562


120.0953, 0.2670,
0.2394

 5.2014, 0.1935,
0.1318

151.7493, 0.2704,
0.2453

 2.3659, 0.1677,
0.1014

188.5272, 0.2734,
0.2505

 0.8083, 0.1314,
0.0643

230.8135, 0.2760,


 0.0000, 0.0736,


0.2551


0.0000


278.9927, 0.2782,
0.2592


 0.0000, 0.0000,
0.0000


 37.0320, 0.2458,
0.2047

 37.0320, 0.2458,
0.2047


 27.6133, 0.2259,
0.1702


 48.6249, 0.2648,
0.2387

 20.2283, 0.2062,
0.1371


 62.5123, 0.2822,
0.2707

 14.7262, 0.1880,
0.1079

 78.8107, 0.2977,
0.3000

 10.9336, 0.1726,
0.0850

 97.6275, 0.3113,
0.3261

 8.6437, 0.1612,
0.0698

99.9999, 0.3127,
0.3290

■ 7.6007, 0.1547,
0.0626

Harmonies

Analogous

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



37.0320, 0.1912, 0.2011



37.0320, 0.2458, 0.2047



37.0320, 0.3275, 0.2324

Triad

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



37.0320, 0.2458, 0.2047



37.0320, 0.4806, 0.4002



37.0320, 0.2112, 0.3776

Complementary

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



37.0320, 0.2458, 0.2047



92.2543, 0.3641, 0.4350

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.



37.0320, 0.2801, 0.4639



37.0320, 0.2458, 0.2047



37.0320, 0.4361, 0.4588

Square

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



37.0320, 0.2458, 0.2047



37.0320, 0.4759, 0.3377



37.0320, 0.3624, 0.4913



37.0320, 0.1726, 0.2859

Rectangle

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



37.0320, 0.2458, 0.2047



37.0320, 0.3883, 0.2620



37.0320, 0.3624, 0.4913



37.0320, 0.2313, 0.4100

Sweetspot

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



37.0334, 0.2458, 0.2047



77.3648, 0.2965, 0.2977



76.6160, 0.2536, 0.3129



16.0792, 0.2945, 0.2940



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.



37.0334, 0.2458, 0.2047



29.4801, 0.2303, 0.1776



43.7134, 0.2855, 0.2173



17.5018, 0.3001, 0.3046



4.0089, 0.1555, 0.0630



0.4259, 0.1638, 0.0676

Inverse Universe

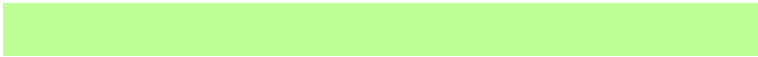
The Inverse Universe completely reimagines the original color for something new.



49.3712, 0.3300, 0.2400



43.3649, 0.3342, 0.2245



84.4772, 0.3296, 0.4482



18.2533, 0.3160, 0.3089



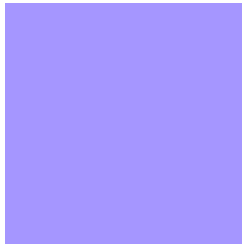
13.7896, 0.3606, 0.1760



1.3543, 0.3554, 0.1731

Previews

White Background



This preview shows how the Yxy color 37.0320, 0.2458, 0.2047 looks on a white background.

Color Contrast Check

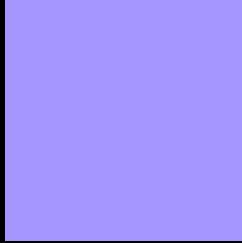
Large Text (above 18pt) WCAG AA × Fail

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 37.0320, 0.2458, 0.2047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

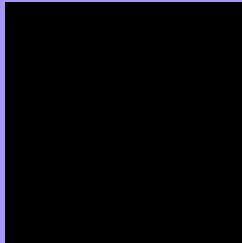
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0320, 0.2458, 0.2047

Background



This preview shows how black text looks on a background with the Yxy color 37.0320, 0.2458, 0.2047.



This preview shows how white text looks on a background with the Yxy color 37.0320, 0.2458, 0.2047.

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

37.0320, 0.2458, 0.2047

Protanopia

37.3769, 0.2252, 0.2112

Deuteranopia

37.1446, 0.2217, 0.2151



Tritanopia

36.8636, 0.2854, 0.3086

Trichromacy



Original Color

37.0320, 0.2458, 0.2047

Protanomaly

37.0847, 0.2319, 0.2084

Deuteranomaly

36.7798, 0.2295, 0.2104

Tritanomaly

36.5166, 0.2697, 0.2650

Monochromacy



Original Color

37.0320, 0.2458, 0.2047

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.3258, 0.2863, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0320, 0.2458, 0.2047 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(165, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 150, 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(165, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.0320, 0.2458, 0.2047 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(165, 150, 255) }
```

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

```
.border{ border-color:rgb(165, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0320, 0.2458, 0.2047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 150, 255) }
```

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

```
.background{ background-color: rgb(165,  
150, 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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