

Converting Colors

$Y_{xy}(36.4733, 0.2401, 0.2040)$

Have a look what the booklet for
Yxy(36.4733, 0.2401, 0.2040)
contains.

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Color

Yxy(36.5213, 0.2404, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	9D97FF
RGB	157, 151, 255
RGB Percent	62%, 59%, 100%
CMY	0.3845, 0.4078, 0.0000
CMYK	0.38, 0.41, 0.00, 0.00
HSL	243°, 100%, 80%
HSV	243°, 41%, 100%
XYZ	43.0168, 36.5213, 99.4002
YIQ	164.6500, -29.8080, 33.6160

Conversions

Conversions Part 2

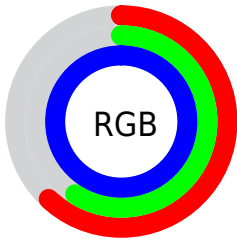
Format	Color
R _Y B	157, 151, 255
Decimal	10328063
CIE Lab	66.92, 26.49, -51.06
CIE LCh	67, 57.520, 297.420
Yxy	36.5213, 0.2404, 0.2041
Android (android.graphics.Color)	4288518143 (0xFF9D97FF)
YUV	164.6500, 44.5426, -6.7090
Hunter-Lab	60.4329, 21.3007, -55.2174

Details

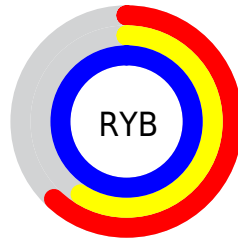
The Yxy color **36.5213, 0.2404, 0.2041** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.9038, 0.3698, 0.4317**, and the grayscale version is **37.2423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3297, 0.2867, 0.2758**, and **15.9583, 0.2198, 0.1744** is the 20% darker color. If you saturate the color by 10%, you get **26.9977, 0.2193, 0.1687**, and if you desaturate by 10%, it is **48.2965, 0.2608, 0.2389**.

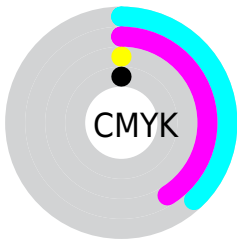
Distribution



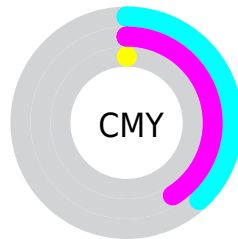
- Red (62%)
- Green (59%)
- Blue (100%)



- Red (62%)
- Yellow (59%)
- Blue (100%)



- Cyan (38%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5213, 0.2404, 0.2041 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 36.5213, 0.2404, 0.2041 by changing the saturation by 10% instead.


 36.5213, 0.2404,
0.2041


 36.5213, 0.2404,
0.2041


331.2333, 0.2774,
0.2628

 24.8371, 0.2313,
0.1909


 69.8359, 0.2538,
0.2244

 15.9557, 0.2197,
0.1748


 92.2351, 0.2589,
0.2323

 9.4928, 0.2048,
0.1550


118.9747, 0.2632,
0.2392

 5.0640, 0.1850,
0.1303

150.4392, 0.2668,
0.2451

 2.2849, 0.1580,
0.0995

187.0129, 0.2700,
0.2504

 0.7657, 0.1208,
0.0619

229.0802, 0.2728,


 0.0000, 0.0566,


0.2550

0.0000

277.0256, 0.2752,
0.2591


 0.0000, 0.0000,
0.0000

 36.5213, 0.2404,
0.2041


 36.5213, 0.2404,
0.2041


 26.9977, 0.2193,
0.1687


 48.2965, 0.2608,
0.2389


 19.5805, 0.1988,
0.1347


 62.4527, 0.2797,
0.2714

 14.1101, 0.1805,
0.1050

 79.1114, 0.2967,
0.3009

 10.4034, 0.1659,
0.0819

 98.3853, 0.3116,
0.3271

 8.2422, 0.1560,
0.0673

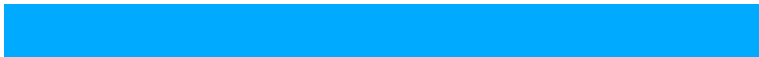
100.0000, 0.3127,
0.3290

■ 7.3181, 0.1512,
0.0607

Harmonies

Analogous

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



36.5213, 0.1886, 0.2028



36.5213, 0.2404, 0.2041



36.5213, 0.3198, 0.2297

Triad

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



36.5213, 0.2404, 0.2041



36.5213, 0.4813, 0.3946



36.5213, 0.2167, 0.3857

Complementary

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



36.5213, 0.2404, 0.2041



93.9038, 0.3698, 0.4317

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.



36.5213, 0.2872, 0.4679



36.5213, 0.2404, 0.2041



36.5213, 0.4407, 0.4537

Square

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



36.5213, 0.2404, 0.2041



36.5213, 0.4717, 0.3325



36.5213, 0.3691, 0.4893



36.5213, 0.1754, 0.2931

Rectangle

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



36.5213, 0.2404, 0.2041



36.5213, 0.3801, 0.2582



36.5213, 0.3691, 0.4893



36.5213, 0.2376, 0.4173

Sweetspot

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



36.5218, 0.2404, 0.2041



76.9397, 0.2948, 0.2975



82.0480, 0.2557, 0.3230



15.9801, 0.2926, 0.2938



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.



36.5218, 0.2404, 0.2041



28.5337, 0.2231, 0.1749



42.7972, 0.2788, 0.2162



17.4273, 0.2987, 0.3045



3.8434, 0.1517, 0.0609



0.3909, 0.1557, 0.0631

Inverse Universe

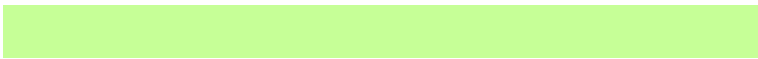
The Inverse Universe completely reimagines the original color for something new.



50.2402, 0.3223, 0.2333



44.0067, 0.3245, 0.2159



85.7344, 0.3351, 0.4448



18.2814, 0.3147, 0.3069



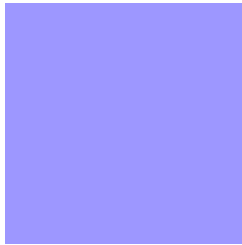
14.4167, 0.3358, 0.1624



1.4090, 0.3340, 0.1613

Previews

White Background



This preview shows how the Yxy color 36.5213, 0.2404, 0.2041 looks on a white background.

Color Contrast Check

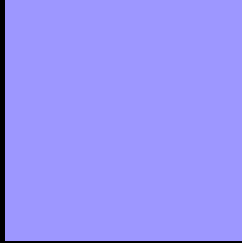
Large Text (above 18pt) WCAG AA × Fail

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 36.5213, 0.2404, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

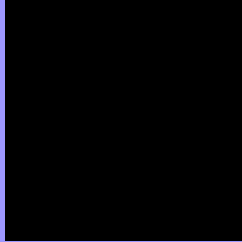
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5213, 0.2404, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 36.5213, 0.2404, 0.2041.



This preview shows how white text looks on a background with the Yxy color 36.5213, 0.2404, 0.2041.

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

36.5213, 0.2404, 0.2041

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

36.6455, 0.2194, 0.2124



Tritanopia

36.4217, 0.2781, 0.3097

Trichromacy



Original Color

36.5213, 0.2404, 0.2041

Protanomaly

36.7372, 0.2295, 0.2077

Deuteranomaly

36.4348, 0.2261, 0.2086

Tritanomaly

36.1057, 0.2635, 0.2653

Monochromacy



Original Color

36.5213, 0.2404, 0.2041

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.9002, 0.2829, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5213, 0.2404, 0.2041 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(157, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 151, 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(157, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.5213, 0.2404, 0.2041 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(157, 151, 255) }
```

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

```
.border{ border-color:rgb(157, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5213, 0.2404, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 151, 255) }
```

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

```
.background{ background-color: rgb(157,  
151, 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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