

Converting Colors

$Y_{xy}(36.1710, 0.2194, 0.1734)$

Have a look what the booklet for
Yxy(36.1710, 0.2194, 0.1734)
contains.

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Color

Yxy(34.0737, 0.2334, 0.1962)

Conversions

Conversions Part 1

Format	Color
Hex	9492FF
RGB	148, 146, 255
RGB Percent	58%, 57%, 100%
CMY	0.4199, 0.4274, 0.0000
CMYK	0.42, 0.43, 0.00, 0.00
HSL	241°, 100%, 79%
HSV	241°, 43%, 100%
XYZ	40.5342, 34.0737, 99.0603
YIQ	159.0240, -33.7970, 34.3230

Conversions

Conversions Part 2

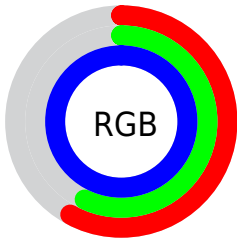
Format	Color
RYB	148, 146, 255
Decimal	9736959
CIELab	65.02, 27.13, -54.10
CIELCh	65, 60.523, 296.628
Yxy	34.0737, 0.2334, 0.1962
Android (android.graphics.Color)	4287927039 (0xFF9492FF)
YUV	159.0240, 47.3162, -9.6680
Hunter-Lab	58.3727, 21.7987, -59.7562

Details

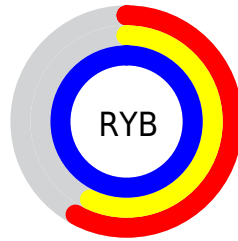
The Yxy color **34.0737, 0.2334, 0.1962** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.4946, 0.3753, 0.4352**, and the grayscale version is **34.4700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6504, 0.2802, 0.2693**, and **14.6671, 0.2109, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **24.9808, 0.2119, 0.1605**, and if you desaturate by 10%, it is **45.4256, 0.2547, 0.2316**.

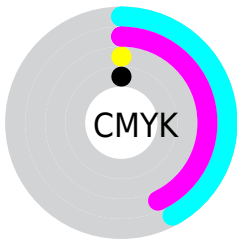
Distribution



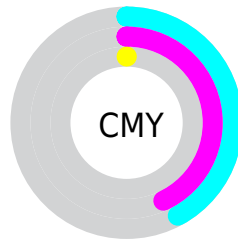
- Red (58%)
- Green (57%)
- Blue (100%)



- Red (58%)
- Yellow (57%)
- Blue (100%)



- Cyan (42%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0737, 0.2334, 0.1962 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 34.0737, 0.2334, 0.1962 by changing the saturation by 10% instead.


 34.0737, 0.2334,
0.1962


 34.0737, 0.2334,
0.1962


320.4606, 0.2741,
0.2588

 22.9502, 0.2234,
0.1822


 66.0483, 0.2482,
0.2178

 14.5568, 0.2107,
0.1651


 87.6681, 0.2538,
0.2263

 8.5089, 0.1943,
0.1442


113.5556, 0.2585,
0.2336

 4.4223, 0.1727,
0.1184

144.0950, 0.2625,
0.2399

 1.9125, 0.1436,
0.0868

179.6709, 0.2660,
0.2455

 0.5559, 0.1049,
0.0470

220.6675, 0.2691,

 0.0000, 0.0253,

0.2505


0.0000


267.4692, 0.2718,
0.2549

 0.0000, 0.0000,
0.0000


 34.0737, 0.2334,
0.1962


 34.0737, 0.2334,
0.1962

 24.9808, 0.2119,
0.1605


 45.4256, 0.2547,
0.2316


 17.9954, 0.1915,
0.1269


 59.1729, 0.2746,
0.2650

 12.9484, 0.1741,
0.0983

 75.4419, 0.2927,
0.2953

 9.6447, 0.1610,
0.0770

 94.3500, 0.3087,
0.3222

 7.8480, 0.1531,
0.0645

100.0000, 0.3127,
0.3290

■ 7.2489, 0.1504,
0.0602

Harmonies

Analogous

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



34.0737, 0.1799, 0.1952



34.0737, 0.2334, 0.1962



34.0737, 0.3173, 0.2226

Triad

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



34.0737, 0.2334, 0.1962



34.0737, 0.4933, 0.3949



34.0737, 0.2112, 0.3929

Complementary

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



34.0737, 0.2334, 0.1962



94.4946, 0.3753, 0.4352

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.



34.0737, 0.2865, 0.4817



34.0737, 0.2334, 0.1962



34.0737, 0.4497, 0.4590

Square

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



34.0737, 0.2334, 0.1962



34.0737, 0.4826, 0.3296



34.0737, 0.3736, 0.5010



34.0737, 0.1673, 0.2917

Rectangle

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



34.0737, 0.2334, 0.1962



34.0737, 0.3824, 0.2521



34.0737, 0.3736, 0.5010



34.0737, 0.2335, 0.4275

Sweetspot

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



34.0739, 0.2334, 0.1962



74.9809, 0.2923, 0.2946



83.6995, 0.2541, 0.3268



15.2359, 0.2884, 0.2882



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.



34.0739, 0.2334, 0.1962



26.4047, 0.2156, 0.1666



40.3862, 0.2738, 0.2095



17.3930, 0.2981, 0.3044



3.7943, 0.1505, 0.0603



0.3746, 0.1518, 0.0610

Inverse Universe

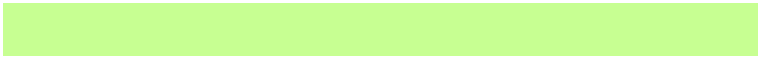
The Inverse Universe completely reimagines the original color for something new.



48.9214, 0.3192, 0.2255



42.9883, 0.3205, 0.2079



85.6962, 0.3382, 0.4499



18.2946, 0.3141, 0.3060



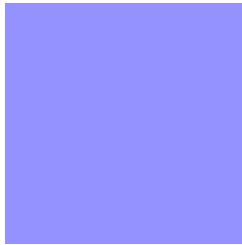
14.7349, 0.3254, 0.1566



1.4364, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 34.0737, 0.2334, 0.1962 looks on a white background.

Color Contrast Check

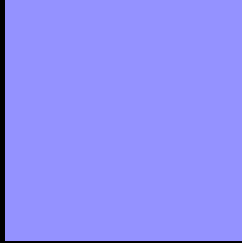
Large Text (above 18pt) WCAG AA × Fail

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 34.0737, 0.2334, 0.1962 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 34.0737, 0.2334, 0.1962

Background



This preview shows how black text looks on a background with the Yxy color 34.0737, 0.2334, 0.1962.



This preview shows how white text looks on a background with the Yxy color 34.0737, 0.2334, 0.1962.

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

34.0737, 0.2334, 0.1962

Protanopia

34.1828, 0.2174, 0.2005

Deuteranopia

34.3068, 0.2119, 0.2061



Tritanopia

33.9182, 0.2717, 0.3089

Trichromacy



Original Color

34.0737, 0.2334, 0.1962

Protanomaly

34.0203, 0.2228, 0.1985

Deuteranomaly

34.1250, 0.2188, 0.2024

Tritanomaly

33.6726, 0.2558, 0.2605

Monochromacy



Original Color

34.0737, 0.2334, 0.1962

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9748, 0.2795, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0737, 0.2334, 0.1962 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(148, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 146, 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(148, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.0737, 0.2334, 0.1962 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(148, 146, 255) }
```

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

```
.border{ border-color:rgb(148, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0737, 0.2334, 0.1962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 146, 255) }
```

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

```
.background{ background-color: rgb(148,  
146, 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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