

Converting Colors

$Y_{xy}(34.0360, 0.2533, 0.2069)$

Have a look what the booklet for
Yxy(34.0360, 0.2533, 0.2069)
contains.

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Color

Yxy(34.0326, 0.2533, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	A78EF3
RGB	167, 142, 243
RGB Percent	65%, 56%, 95%
CMY	0.3451, 0.4431, 0.0471
CMYK	0.31, 0.42, 0.00, 0.05
HSL	255°, 81%, 75%
HSV	255°, 42%, 95%
XYZ	41.7860, 34.0326, 89.1479
YIQ	160.9890, -17.5210, 36.7110

Conversions

Conversions Part 2

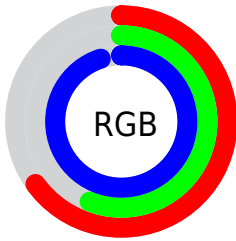
Format	Color
RYB	167, 142, 243
Decimal	10981107
CIELab	64.99, 31.10, -47.47
CIELCh	65, 56.750, 303.234
Yxy	34.0326, 0.2533, 0.2063
Android (android.graphics.Color)	4289171187 (0xFFA78EF3)
YUV	160.9890, 40.4314, 5.2716
Hunter-Lab	58.3375, 25.7656, -49.7673

Details

The Yxy color **34.0326, 0.2533, 0.2063** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.9475, 0.3568, 0.4387**, and the grayscale version is **35.4515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5471, 0.2927, 0.2671**, and **14.4721, 0.2352, 0.1765** is the 20% darker color. If you saturate the color by 10%, you get **25.7218, 0.2353, 0.1731**, and if you desaturate by 10%, it is **44.2033, 0.2702, 0.2392**.

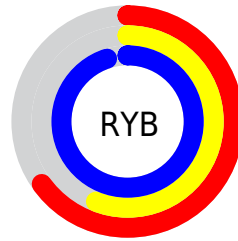
Distribution



Red (65%)

Green (56%)

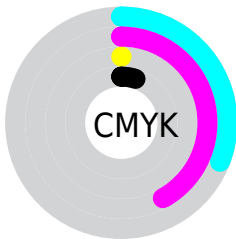
Blue (95%)



Red (65%)

Yellow (56%)

Blue (95%)

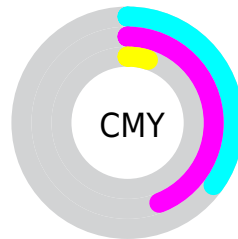


Cyan (31%)

Magenta (42%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (44%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0326, 0.2533, 0.2063 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 34.0326, 0.2533, 0.2063 by changing the saturation by 10% instead.


 34.0326, 0.2533,
0.2063


 34.0326, 0.2533,
0.2063


320.2774, 0.2846,
0.2646


 22.9186, 0.2453,
0.1930


 65.9844, 0.2649,
0.2266

 14.5334, 0.2349,
0.1767


 87.5910, 0.2692,
0.2345

 8.4926, 0.2212,
0.1565


 113.4639, 0.2728,
0.2413

 4.4117, 0.2026,
0.1310

143.9875, 0.2759,
0.2471

 1.9064, 0.1761,
0.0989

179.5463, 0.2786,
0.2523

 0.5523, 0.1382,
0.0559

220.5246, 0.2809,

 0.0000, 0.0550,

0.2569

0.0000

267.3069, 0.2829,
0.2609

0.0000, 0.0000,
0.0000

34.0326, 0.2533,
0.2063

34.0326, 0.2533,
0.2063

25.7218, 0.2353,
0.1731

44.2033, 0.2702,
0.2392

19.1517, 0.2170,
0.1414

56.3350, 0.2856,
0.2704

14.1953, 0.1994,
0.1132

70.5265, 0.2992,
0.2992

10.7060, 0.1838,
0.0906

86.8682, 0.3110,
0.3252

8.5089, 0.1711,
0.0751

99.2501, 0.3197,
0.3405

■ 7.4361, 0.1630,
0.0671

Harmonies

Analogous

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



34.0326, 0.1953, 0.1999



34.0326, 0.2533, 0.2063



34.0326, 0.3374, 0.2364

Triad

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



34.0326, 0.2533, 0.2063



34.0326, 0.4783, 0.4071



34.0326, 0.2051, 0.3671

Complementary

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



34.0326, 0.2533, 0.2063



80.9475, 0.3568, 0.4387

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.



34.0326, 0.2714, 0.4571



34.0326, 0.2533, 0.2063



34.0326, 0.4294, 0.4645

Square

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



34.0326, 0.2533, 0.2063



34.0326, 0.4797, 0.3443



34.0326, 0.3536, 0.4922



34.0326, 0.1701, 0.2775

Rectangle

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



34.0326, 0.2533, 0.2063



34.0326, 0.3979, 0.2672



34.0326, 0.3536, 0.4922



34.0326, 0.2242, 0.4000

Sweetspot

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



34.0339, 0.2533, 0.2063



77.8986, 0.2986, 0.2979



63.1051, 0.2512, 0.3004



16.2040, 0.2969, 0.2942



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.



34.0339, 0.2533, 0.2063



29.9065, 0.2379, 0.1778



40.4249, 0.2939, 0.2193



16.1249, 0.3018, 0.3048



4.1346, 0.1642, 0.0678



0.4097, 0.1764, 0.0745

Inverse Universe

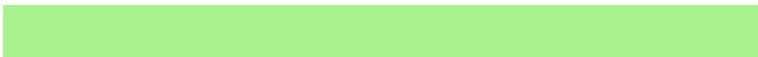
The Inverse Universe completely reimagines the original color for something new.



43.4601, 0.3401, 0.2493



41.9191, 0.3477, 0.2340



74.4727, 0.3231, 0.4516



16.6941, 0.3176, 0.3114



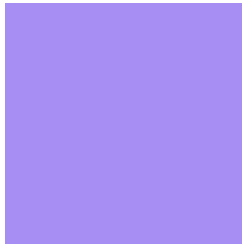
12.3530, 0.3955, 0.1952



1.1020, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 34.0326, 0.2533, 0.2063 looks on a white background.

Color Contrast Check

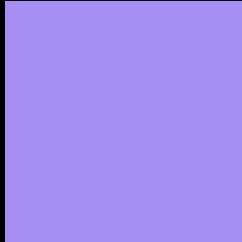
Large Text (above 18pt) WCAG AA × Fail

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 34.0326, 0.2533, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

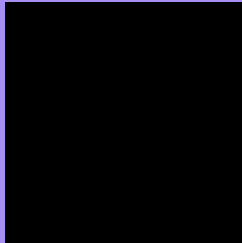
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0326, 0.2533, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 34.0326, 0.2533, 0.2063.



This preview shows how white text looks on a background with the Yxy color 34.0326, 0.2533, 0.2063.

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

34.0326, 0.2533, 0.2063

Protanopia

34.1889, 0.2184, 0.2015

Deuteranopia

34.2568, 0.2250, 0.2186



Tritanopia

34.0314, 0.2966, 0.3112

Trichromacy



Original Color

34.0326, 0.2533, 0.2063

Protanomaly

33.9491, 0.2291, 0.2030

Deuteranomaly

34.0416, 0.2341, 0.2139

Tritanomaly

33.6558, 0.2787, 0.2664

Monochromacy



Original Color

34.0326, 0.2533, 0.2063

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.6593, 0.2890, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0326, 0.2533, 0.2063 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(167, 142, 243)` looks like.

```
.text, #text, p{  
    color:rgb(167, 142, 243)  
}
```

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(167, 142, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 142, 243) }
```

Border

The CSS property to change the border of an element to Yxy 34.0326, 0.2533, 0.2063 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(167, 142, 243) }
```

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

```
.border{ border-color:rgb(167, 142, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 142, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 142, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 142, 243);  
box-shadow:4px 4px 4px 4px rgb(167, 142,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0326, 0.2533, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 142, 243) }
```

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

```
.background{ background-color: rgb(167,  
142, 243) }
```

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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