

Converting Colors

$Y_{xy}(34.0454, 0.3192, 0.1957)$

Have a look what the booklet for
Yxy(34.0454, 0.3192, 0.1957)
contains.

Yxy(34.0507, 0.3190, 0.1956)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.0507, 0.3190, 0.1956)

Conversions

Conversions Part 1

Format	Color
Hex	EE67EE
RGB	238, 103, 238
RGB Percent	93%, 40%, 93%
CMY	0.0667, 0.5959, 0.0668
CMYK	0.00, 0.57, 0.00, 0.07
HSL	300°, 80%, 67%
HSV	300°, 57%, 93%
XYZ	55.5326, 34.0507, 84.5001
YIQ	158.7550, 37.1250, 70.6050

Conversions

Conversions Part 2

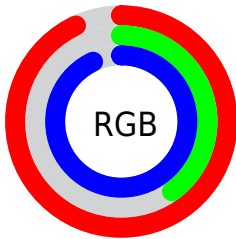
Format	Color
R _Y B	238, 103, 238
Decimal	15624174
CIE _{Lab}	65.00, 68.85, -44.13
CIE _{LCh}	65, 81.778, 327.339
Yxy	34.0507, 0.3190, 0.1956
Android (android.graphics.Color)	4293814254 (0xFFEE67EE)
YUV	158.7550, 39.0678, 69.4979
Hunter-Lab	58.3530, 67.7548, -45.0099

Details

The Yxy color **34.0507, 0.3190, 0.1956** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **65.0047, 0.3041, 0.5119**, and the grayscale version is **34.3641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **14.5058, 0.3176, 0.1662** is the 20% darker color. If you saturate the color by 10%, you get **29.9706, 0.3198, 0.1792**, and if you desaturate by 10%, it is **39.4808, 0.3181, 0.2156**.

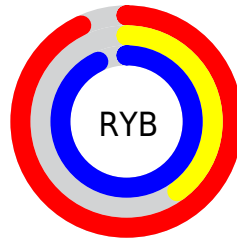
Distribution



Red (93%)

Green (40%)

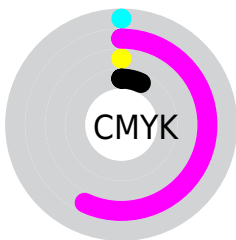
Blue (93%)



Red (93%)

Yellow (40%)

Blue (93%)

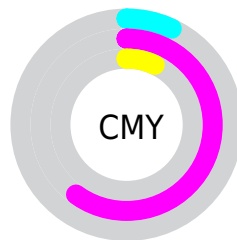


Cyan (0%)

Magenta (57%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (60%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0507, 0.3190, 0.1956 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 34.0507, 0.3190, 0.1956 by changing the saturation by 10% instead.

 34.0507, 0.3190,
0.1956


 34.0507, 0.3190,
0.1956


320.3581, 0.3188,
0.2566

 22.9326, 0.3183,
0.1822


 66.0125, 0.3195,
0.2164


 14.5437, 0.3170,
0.1660


 87.6249, 0.3196,
0.2246

 8.4998, 0.3146,
0.1462

 113.5043, 0.3195,
0.2317

 4.4164, 0.3104,
0.1217

 144.0349, 0.3194,
0.2380

 1.9091, 0.3025,
0.0915

179.6012, 0.3193,
0.2435

 0.5538, 0.2879,
0.0518

220.5875, 0.3191,

 0.0000, 0.2590,

0.2483

0.0000

267.3784, 0.3190,
0.2527

0.0000, 0.0725,
0.0000

0.0000, 0.0000,
0.0000

34.0507, 0.3190,
0.1956

34.0507, 0.3190,
0.1956

29.9706, 0.3198,
0.1792

39.4808, 0.3181,
0.2156

27.1183, 0.3204,
0.1669


46.3603, 0.3170,
0.2382


25.3575, 0.3207,
0.1589


54.7842, 0.3158,
0.2626

24.5137, 0.3209,
0.1550

64.8386, 0.3147,
0.2876

 24.3433, 0.3210,
0.1542

 76.6030, 0.3135,
0.3126

 90.1516, 0.3123,
0.3369

 95.8663, 0.3119,
0.3459

 95.8666, 0.3119,
0.3459

 95.8669, 0.3119,
0.3459

Harmonies

Analogous

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



34.0507, 0.2111, 0.1635



34.0507, 0.3190, 0.1956



34.0507, 0.4503, 0.2521

Triad

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



34.0507, 0.3190, 0.1956



34.0507, 0.4767, 0.4855



34.0507, 0.1277, 0.2705

Complementary

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



34.0507, 0.3190, 0.1956



65.0047, 0.3041, 0.5119

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.



34.0507, 0.1758, 0.4116



34.0507, 0.3190, 0.1956



34.0507, 0.3762, 0.5568

Square

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



34.0507, 0.3190, 0.1956



34.0507, 0.5433, 0.4000



34.0507, 0.2672, 0.5434



34.0507, 0.1205, 0.1902

Rectangle

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



34.0507, 0.3190, 0.1956



34.0507, 0.5192, 0.2982



34.0507, 0.2672, 0.5434



34.0507, 0.1386, 0.3116

Sweetspot

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



34.0522, 0.3190, 0.1956



75.3916, 0.3147, 0.2867



18.7655, 0.2025, 0.1469



15.5985, 0.3149, 0.2817



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.



34.0522, 0.3190, 0.1956



34.4523, 0.3199, 0.1770



30.8034, 0.3953, 0.2568



16.0314, 0.3138, 0.3057



13.5835, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Inverse Universe

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



34.0522, 0.3190, 0.1956



34.4523, 0.3199, 0.1770



66.9458, 0.2728, 0.4202



16.0314, 0.3138, 0.3057



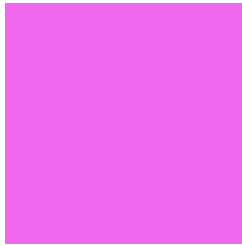
13.5835, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 34.0507, 0.3190, 0.1956 looks on a white background.

Color Contrast Check

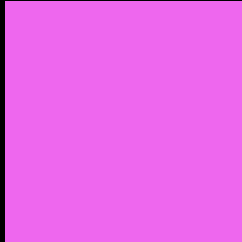
Large Text (above 18pt) WCAG AA × Fail

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 34.0507, 0.3190, 0.1956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

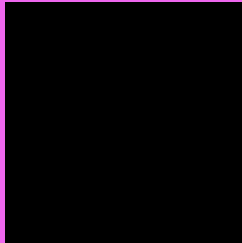
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0507, 0.3190, 0.1956

Background



This preview shows how black text looks on a background with the Yxy color 34.0507, 0.3190, 0.1956.



This preview shows how white text looks on a background with the Yxy color 34.0507, 0.3190, 0.1956.

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

34.0507, 0.3190, 0.1956

Protanopia

34.5142, 0.2177, 0.2018

Deuteranopia

34.5169, 0.2379, 0.2319



Tritanopia

33.7333, 0.4130, 0.3175

Trichromacy



Original Color

34.0507, 0.3190, 0.1956



Protanomaly

32.1293, 0.2449, 0.1928



Deuteranomaly

32.1525, 0.2615, 0.2109



Tritanomaly

33.3511, 0.3768, 0.2669

Monochromacy



Original Color

34.0507, 0.3190, 0.1956



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.7874, 0.3157, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0507, 0.3190, 0.1956 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(238, 103, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 103, 238)  
}
```

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(238, 103, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 103, 238) }
```

Border

The CSS property to change the border of an element to Yxy 34.0507, 0.3190, 0.1956 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(238, 103, 238) }
```

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

```
.border{ border-color:rgb(238, 103, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 103, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 103, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 103, 238); box-shadow:4px 4px 4px 4px rgb(238, 103, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0507, 0.3190, 0.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 103, 238) }
```

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

```
.background{ background-color: rgb(238,  
103, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor