

Converting Colors

Yxy(36.3614, 0.3456, 0.2095)

Have a look what the booklet for
Yxy(36.3614, 0.3456, 0.2095)
contains.

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Color

Yxy(36.3642, 0.3456, 0.2095)

Conversions

Conversions Part 1

Format	Color
Hex	FF66E4
RGB	255, 102, 228
RGB Percent	100%, 40%, 89%
CMY	0.0000, 0.5999, 0.1061
CMYK	0.00, 0.60, 0.11, 0.00
HSL	311°, 100%, 70%
HSV	311°, 60%, 100%
XYZ	59.9879, 36.3642, 77.2240
YIQ	162.1110, 50.7420, 71.6220

Conversions

Conversions Part 2

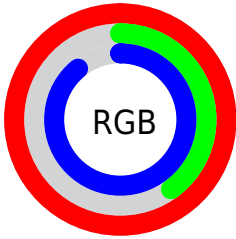
Format	Color
R_{YB}	255, 102, 228
Decimal	16738020
CIE _{Lab}	66.80, 72.00, -35.60
CIE _{LCh}	67, 80.326, 333.689
Yxy	36.3642, 0.3456, 0.2095
Android (android.graphics.Color)	4294928100 (0xFFFF66E4)
YUV	162.1110, 32.4833, 81.4637
Hunter-Lab	60.3027, 72.0383, -33.7152

Details

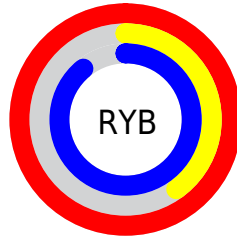
The Yxy color **36.3642, 0.3456, 0.2095** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **75.9287, 0.2932, 0.4924**, and the grayscale version is **36.0173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.8424, 0.3519, 0.1823** is the 20% darker color. If you saturate the color by 10%, you get **31.8527, 0.3526, 0.1962**, and if you desaturate by 10%, it is **42.4265, 0.3388, 0.2263**.

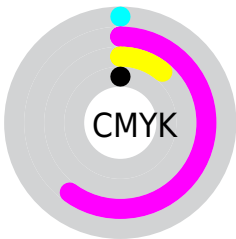
Distribution



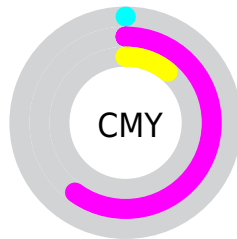
- Red (100%)
- Green (40%)
- Blue (89%)



- Red (100%)
- Yellow (40%)
- Blue (89%)



- Cyan (0%)
- Magenta (60%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3642, 0.3456, 0.2095 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 36.3642, 0.3456, 0.2095 by changing the saturation by 10% instead.

 36.3642, 0.3456,
0.2095

 36.3642, 0.3456,
0.2095


330.5496, 0.3315,
0.2645

 24.7156, 0.3484,
0.1973


 69.5938, 0.3410,
0.2284


 15.8653, 0.3517,
0.1824


 91.9437, 0.3391,
0.2358

 9.4289, 0.3555,
0.1639


 118.6293, 0.3375,
0.2422

 5.0220, 0.3597,
0.1408

 150.0353, 0.3360,
0.2478

 2.2602, 0.3639,
0.1114

186.5459, 0.3347,
0.2527

 0.7525, 0.3670,
0.0736

228.5456, 0.3335,

 0.0000, 0.3746,

0.2571

0.0000

276.4187, 0.3325,
0.2610

■ 0.0000, 0.2910,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3642, 0.3456,
0.2095

■ 36.3642, 0.3456,
0.2095

■ 31.8527, 0.3526,
0.1962

■ 42.4265, 0.3388,
0.2263

■ 28.7404, 0.3595,
0.1872

■ 50.1625, 0.3325,
0.2456

■ 26.8542, 0.3662,
0.1828

■ 59.6886, 0.3266,
0.2663

■ 25.9089, 0.3725,
0.1826

■ 71.1092, 0.3214,
0.2876

■ 25.9080, 0.3725,
0.1826

■ 84.5210, 0.3167,
0.3086

99.9986, 0.3127,
0.3290

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



36.3642, 0.2333, 0.1725



36.3642, 0.3456, 0.2095



36.3642, 0.4692, 0.2688

Triad

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



36.3642, 0.3456, 0.2095



36.3642, 0.4545, 0.4996



36.3642, 0.1285, 0.2519

Complementary

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



36.3642, 0.3456, 0.2095



75.9287, 0.2932, 0.4924

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.



36.3642, 0.1669, 0.3767



36.3642, 0.3456, 0.2095



36.3642, 0.3538, 0.5553

Square

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



36.3642, 0.3456, 0.2095



36.3642, 0.5275, 0.4172



36.3642, 0.2487, 0.5144



36.3642, 0.1284, 0.1852

Rectangle

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



36.3642, 0.3456, 0.2095



36.3642, 0.5257, 0.3152



36.3642, 0.2487, 0.5144



36.3642, 0.1366, 0.2872

Sweetspot

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



36.3659, 0.3456, 0.2095



73.6185, 0.3204, 0.2918



21.2800, 0.2110, 0.1419



14.9783, 0.3218, 0.2856



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.



36.3659, 0.3456, 0.2095



31.1209, 0.3540, 0.1940



33.0674, 0.4362, 0.2788



18.2420, 0.3165, 0.3096



13.5584, 0.3715, 0.1820



1.3339, 0.3647, 0.1783

Inverse Universe

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



36.3659, 0.3456, 0.2095



31.1209, 0.3540, 0.1940



78.7019, 0.2602, 0.3927



18.2420, 0.3165, 0.3096



13.5584, 0.3715, 0.1820



1.3339, 0.3647, 0.1783

Previews

White Background



This preview shows how the Yxy color 36.3642, 0.3456, 0.2095 looks on a white background.

Color Contrast Check

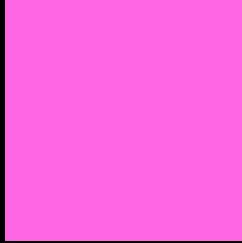
Large Text (above 18pt) WCAG AA × Fail

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 36.3642, 0.3456, 0.2095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

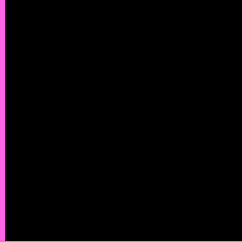
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3642, 0.3456, 0.2095

Background



This preview shows how black text looks on a background with the Yxy color 36.3642, 0.3456, 0.2095.



This preview shows how white text looks on a background with the Yxy color 36.3642, 0.3456, 0.2095.

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

36.3642, 0.3456, 0.2095

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

36.4066, 0.2569, 0.2510



Tritanopia

36.0835, 0.4385, 0.3197

Trichromacy



Original Color

36.3642, 0.3456, 0.2095



Protanomaly

34.0565, 0.2571, 0.2028



Deuteranomaly

34.1783, 0.2839, 0.2274



Tritanomaly

35.7269, 0.4046, 0.2749

Monochromacy



Original Color

36.3642, 0.3456, 0.2095



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.0371, 0.3257, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3642, 0.3456, 0.2095 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(255, 102, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 228)  
}
```

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(255, 102, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 228) }
```

Border

The CSS property to change the border of an element to Yxy 36.3642, 0.3456, 0.2095 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(255, 102, 228) }
```

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

```
.border{ border-color:rgb(255, 102, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3642, 0.3456, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 228) }
```

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

```
.background{ background-color: rgb(255,  
102, 228) }
```

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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