

Converting Colors

$Y_{xy}(32.3420, 0.3566, 0.2267)$

Have a look what the booklet for
Yxy(32.3420, 0.3566, 0.2267)
contains.

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Color

Yxy(32.3420, 0.3566, 0.2267)

Conversions

Conversions Part 1

Format	Color
Hex	EE68CA
RGB	238, 104, 202
RGB Percent	93%, 41%, 79%
CMY	0.0666, 0.5922, 0.2078
CMYK	0.00, 0.56, 0.15, 0.07
HSL	316°, 80%, 67%
HSV	316°, 56%, 93%
XYZ	50.8741, 32.3420, 59.4482
YIQ	155.2380, 48.4060, 58.8860

Conversions

Conversions Part 2

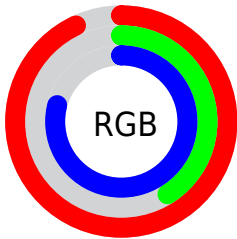
Format	Color
R _{YB}	238, 104, 202
Decimal	15624394
CIE _{Lab}	63.62, 62.76, -26.18
CIE _{LCh}	64, 67.999, 337.355
Yxy	32.3420, 0.3566, 0.2267
Android (android.graphics.Color)	4293814474 (0xFFEE68CA)
YUV	155.2380, 23.0537, 72.5823
Hunter-Lab	56.8700, 60.1578, -22.1689

Details

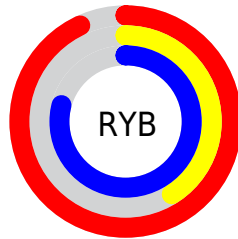
The Yxy color **32.3420, 0.3566, 0.2267** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **65.9896, 0.2881, 0.4634**, and the grayscale version is **32.7696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **13.5986, 0.3669, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **27.9130, 0.3674, 0.2133**, and if you desaturate by 10%, it is **38.1383, 0.3465, 0.2430**.

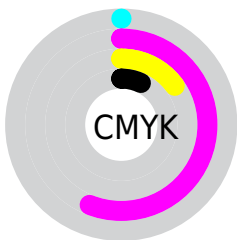
Distribution



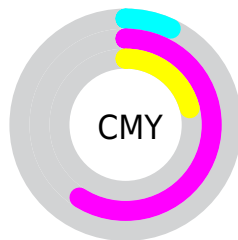
- Red (93%)
- Green (41%)
- Blue (79%)



- Red (93%)
- Yellow (41%)
- Blue (79%)



- Cyan (0%)
- Magenta (56%)
- Yellow (15%)
- Black (7%)





- Cyan (7%)
- Magenta (59%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3420, 0.3566, 0.2267 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 32.3420, 0.3566, 0.2267 by changing the saturation by 10% instead.


 32.3420, 0.3566,
0.2267


 32.3420, 0.3566,
0.2267


312.6742, 0.3357,
0.2759


 21.6229, 0.3615,
0.2151


 63.3469, 0.3493,
0.2441


 13.5800, 0.3675,
0.2008


 84.4014, 0.3464,
0.2507

 7.8292, 0.3751,
0.1824

 109.6698, 0.3440,
0.2564

 3.9858, 0.3850,
0.1584

 139.5365, 0.3419,
0.2614

 1.6656, 0.3981,
0.1262

174.3859, 0.3400,
0.2657

 0.4013, 0.4211,
0.0695

214.6024, 0.3384,

 0.0000, 0.4471,

0.2695

0.0000

260.5704, 0.3370,
0.2728

■ 0.0000, 0.0000,
0.0000

■ 32.3420, 0.3566,
0.2267

■ 32.3420, 0.3566,
0.2267

■ 27.9130, 0.3674,
0.2133

■ 38.1383, 0.3465,
0.2430

■ 24.7295, 0.3786,
0.2039

■ 45.4009, 0.3374,
0.2611

■ 22.6561, 0.3897,
0.1992

■ 54.2249, 0.3292,
0.2801

■ 21.5217, 0.4006,
0.1994

■ 64.6959, 0.3222,
0.2991

■ 21.2378, 0.4045,
0.2002

■ 76.8935, 0.3161,
0.3177

■ 90.8920, 0.3109,
0.3354

■ 96.3992, 0.3069,
0.3371

■ 96.8002, 0.3034,
0.3308

■ 96.9185, 0.3023,
0.3290

Harmonies

Analogous

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



32.3420, 0.2529, 0.1893



32.3420, 0.3566, 0.2267



32.3420, 0.4622, 0.2839

Triad

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



32.3420, 0.3566, 0.2267



32.3420, 0.4349, 0.4942



32.3420, 0.1434, 0.2523

Complementary

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



32.3420, 0.3566, 0.2267



65.9896, 0.2881, 0.4634

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.



32.3420, 0.1759, 0.3568



32.3420, 0.3566, 0.2267



32.3420, 0.3425, 0.5291

Square

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



32.3420, 0.3566, 0.2267



32.3420, 0.5023, 0.4239



32.3420, 0.2475, 0.4772



32.3420, 0.1464, 0.1954

Rectangle

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



32.3420, 0.3566, 0.2267



32.3420, 0.5072, 0.3281



32.3420, 0.2475, 0.4772



32.3420, 0.1500, 0.2820

Sweetspot

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



32.3436, 0.3566, 0.2267



74.6648, 0.3227, 0.2977



21.6258, 0.2287, 0.1588



15.4252, 0.3240, 0.2939



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.



32.3436, 0.3566, 0.2267



31.8097, 0.3695, 0.2112



29.8353, 0.4422, 0.2958



15.9547, 0.3179, 0.3119



11.8704, 0.4029, 0.1993



1.0040, 0.3897, 0.1920

Inverse Universe

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



32.3436, 0.3566, 0.2267



31.8097, 0.3695, 0.2112



68.5887, 0.2559, 0.3693



15.9547, 0.3179, 0.3119



11.8704, 0.4029, 0.1993



1.0040, 0.3897, 0.1920

Previews

White Background



This preview shows how the Yxy color 32.3420, 0.3566, 0.2267 looks on a white background.

Color Contrast Check

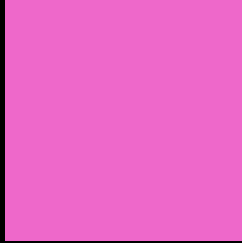
Large Text (above 18pt) WCAG AA × Fail

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 32.3420, 0.3566, 0.2267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

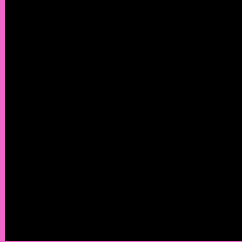
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3420, 0.3566, 0.2267

Background



This preview shows how black text looks on a background with the Yxy color 32.3420, 0.3566, 0.2267.



This preview shows how white text looks on a background with the Yxy color 32.3420, 0.3566, 0.2267.

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

32.3420, 0.3566, 0.2267

Protanopia

32.8994, 0.2271, 0.2136

Deuteranopia

32.4178, 0.2740, 0.2676



Tritanopia

32.2754, 0.4333, 0.3191

Trichromacy



Original Color

32.3420, 0.3566, 0.2267



Protanomaly

30.8183, 0.2621, 0.2131



Deuteranomaly

30.9052, 0.3004, 0.2465



Tritanomaly

32.1542, 0.4060, 0.2834

Monochromacy



Original Color

32.3420, 0.3566, 0.2267



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.9012, 0.3289, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3420, 0.3566, 0.2267 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, 104, 202)` looks like.

```
.text, #text, p{  
    color:rgb(238, 104, 202)  
}
```

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, 104, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 104, 202) }
```

Border

The CSS property to change the border of an element to Yxy 32.3420, 0.3566, 0.2267 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, 104, 202) }
```

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

```
.border{ border-color:rgb(238, 104, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 104, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 104, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 104, 202);  
box-shadow:4px 4px 4px 4px rgb(238, 104,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3420, 0.3566, 0.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 104, 202) }
```

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

```
.background{ background-color: rgb(238,  
104, 202) }
```

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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