

Converting Colors

$Y_{xy}(32.1512, 0.3356, 0.2089)$

Have a look what the booklet for
Yxy(32.1512, 0.3356, 0.2089)
contains.

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Color

Yxy(32.2269, 0.3361, 0.2096)

Conversions

Conversions Part 1

Format	Color
Hex	EB66DA
RGB	235, 102, 218
RGB Percent	92%, 40%, 85%
CMY	0.0783, 0.6001, 0.1450
CMYK	0.00, 0.57, 0.07, 0.08
HSL	308°, 77%, 66%
HSV	308°, 57%, 92%
XYZ	51.6768, 32.2269, 69.8506
YIQ	154.9910, 42.0320, 64.2720

Conversions

Conversions Part 2

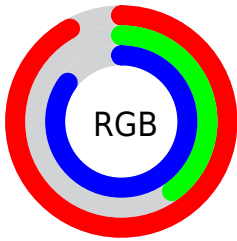
Format	Color
R _{YB}	235, 102, 218
Decimal	15427290
CIE Lab	63.53, 65.29, -35.37
CIE LCh	64, 74.254, 331.553
Yxy	32.2269, 0.3361, 0.2096
Android (android.graphics.Color)	4293617370 (0xFFEB66DA)
YUV	154.9910, 31.0634, 70.1679
Hunter-Lab	56.7687, 63.1440, -33.2147

Details

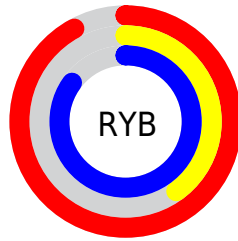
The Yxy color **32.2269, 0.3361, 0.2096** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **63.5856, 0.2968, 0.4899**, and the grayscale version is **32.6187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **13.5304, 0.3388, 0.1809** is the 20% darker color. If you saturate the color by 10%, you get **28.0909, 0.3411, 0.1944**, and if you desaturate by 10%, it is **37.6777, 0.3312, 0.2280**.

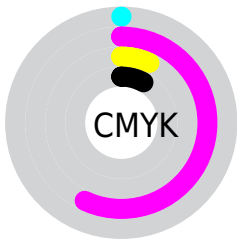
Distribution



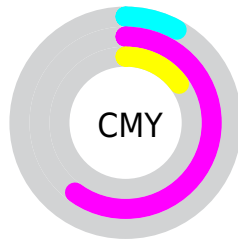
- Red (92%)
- Green (40%)
- Blue (85%)



- Red (92%)
- Yellow (40%)
- Blue (85%)



- Cyan (0%)
- Magenta (57%)
- Yellow (7%)
- Black (8%)





- Cyan (8%)
- Magenta (60%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2269, 0.3361, 0.2096 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 32.2269, 0.3361, 0.2096 by changing the saturation by 10% instead.


 32.2269, 0.3361,
0.2096


 32.2269, 0.3361,
0.2096


312.1516, 0.3266,
0.2658


 21.5349, 0.3378,
0.1968


 63.1666, 0.3331,
0.2291


 13.5155, 0.3397,
0.1811

 84.1831, 0.3319,
0.2367

 7.7845, 0.3416,
0.1614


 109.4099, 0.3307,
0.2433

 3.9574, 0.3431,
0.1364

 139.2313, 0.3297,
0.2490

 1.6497, 0.3432,
0.1043

174.0318, 0.3288,
0.2539

 0.3908, 0.3427,
0.0527

214.1957, 0.3280,

 0.0000, 0.3260,

0.2583

0.0000

260.1075, 0.3272,
0.2623


 0.0000, 0.0000,
0.0000

 32.2269, 0.3361,
0.2096


 32.2269, 0.3361,
0.2096


 28.0909, 0.3411,
0.1944


 37.6777, 0.3312,
0.2280


 25.1513, 0.3460,
0.1831


 44.5394, 0.3265,
0.2487


 23.2762, 0.3508,
0.1764

 52.9043, 0.3222,
0.2706

 22.2972, 0.3551,
0.1740

 62.8557, 0.3183,
0.2929

 22.0749, 0.3566,
0.1738

 74.4706, 0.3148,
0.3149

■ 87.8212, 0.3117,
0.3361

■ 95.4210, 0.3095,
0.3449

■ 95.6000, 0.3078,
0.3419

■ 95.7818, 0.3061,
0.3389

Harmonies

Analogous

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



32.2269, 0.2297, 0.1751



32.2269, 0.3361, 0.2096



32.2269, 0.4560, 0.2665

Triad

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



32.2269, 0.3361, 0.2096



32.2269, 0.4580, 0.4905



32.2269, 0.1350, 0.2620

Complementary

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



32.2269, 0.3361, 0.2096



63.5856, 0.2968, 0.4899

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.



32.2269, 0.1762, 0.3854



32.2269, 0.3361, 0.2096



32.2269, 0.3615, 0.5457

Square

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



32.2269, 0.3361, 0.2096



32.2269, 0.5246, 0.4111



32.2269, 0.2587, 0.5130



32.2269, 0.1322, 0.1928

Rectangle

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



32.2269, 0.3361, 0.2096



32.2269, 0.5138, 0.3117



32.2269, 0.2587, 0.5130



32.2269, 0.1440, 0.2976

Sweetspot

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



32.2284, 0.3361, 0.2096



75.0407, 0.3185, 0.2919



19.3143, 0.2132, 0.1516



15.5147, 0.3192, 0.2874



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.



32.2284, 0.3361, 0.2096



33.1095, 0.3419, 0.1922



29.4638, 0.4157, 0.2736



15.2787, 0.3157, 0.3087



12.2961, 0.3560, 0.1735



0.9748, 0.3504, 0.1704

Inverse Universe

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



32.2284, 0.3361, 0.2096



33.1095, 0.3419, 0.1922



65.7162, 0.2653, 0.3976



15.2787, 0.3157, 0.3087



12.2961, 0.3560, 0.1735



0.9748, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 32.2269, 0.3361, 0.2096 looks on a white background.

Color Contrast Check

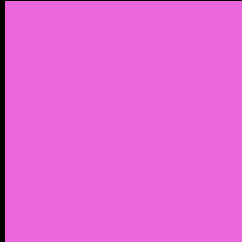
Large Text (above 18pt) WCAG AA × Fail

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 32.2269, 0.3361, 0.2096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

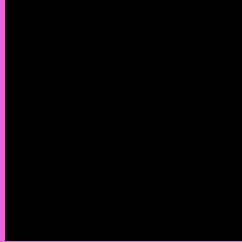
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2269, 0.3361, 0.2096

Background



This preview shows how black text looks on a background with the Yxy color 32.2269, 0.3361, 0.2096.

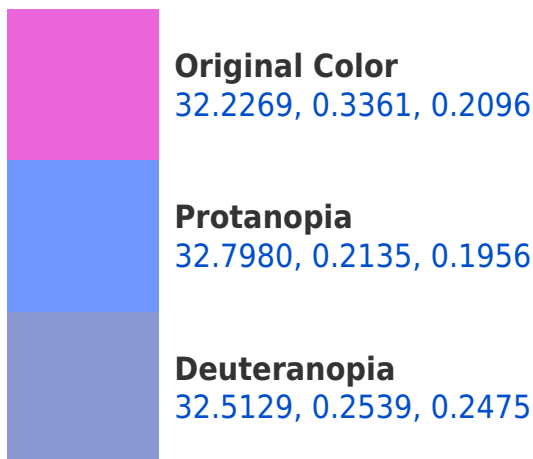


This preview shows how white text looks on a background with the Yxy color 32.2269, 0.3361, 0.2096.

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





Tritanopia

32.2775, 0.4228, 0.3188

Trichromacy



Original Color

32.2269, 0.3361, 0.2096



Protanomaly

30.3540, 0.2448, 0.1939



Deuteranomaly

30.7385, 0.2789, 0.2270



Tritanomaly

31.8291, 0.3903, 0.2745

Monochromacy



Original Color

32.2269, 0.3361, 0.2096



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.0130, 0.3217, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2269, 0.3361, 0.2096 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(235, 102, 218)` looks like.

```
.text, #text, p{  
    color:rgb(235, 102, 218)  
}
```

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(235, 102, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 102, 218) }
```

Border

The CSS property to change the border of an element to Yxy 32.2269, 0.3361, 0.2096 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(235, 102, 218) }
```

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

```
.border{ border-color:rgb(235, 102, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 102, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 102, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 102, 218);  
box-shadow:4px 4px 4px 4px rgb(235, 102,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2269, 0.3361, 0.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 102, 218) }
```

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

```
.background{ background-color: rgb(235,  
102, 218) }
```

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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