

Converting Colors

$Y_{xy}(32.8450, 0.3685, 0.2551)$

Have a look what the booklet for
Yxy(32.8450, 0.3685, 0.2551)
contains.

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Color

Yxy(32.9645, 0.3681, 0.2552)

Conversions

Conversions Part 1

Format	Color
Hex	E675B7
RGB	230, 117, 183
RGB Percent	90%, 46%, 72%
CMY	0.0979, 0.5412, 0.2823
CMYK	0.00, 0.49, 0.20, 0.10
HSL	325°, 69%, 68%
HSV	325°, 49%, 90%
XYZ	47.5479, 32.9645, 48.6588
YIQ	158.3110, 46.1620, 44.4820

Conversions

Conversions Part 2

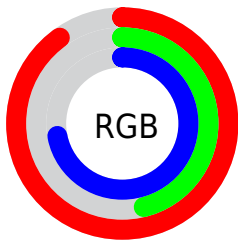
Format	Color
R _Y B	230, 117, 183
Decimal	15103415
CIE Lab	64.13, 51.52, -14.75
CIE LCh	64, 53.591, 344.025
Yxy	32.9645, 0.3681, 0.2552
Android (android.graphics.Color)	4293293495 (0xFFE675B7)
YUV	158.3110, 12.1717, 62.8713
Hunter-Lab	57.4147, 47.3488, -10.0578

Details

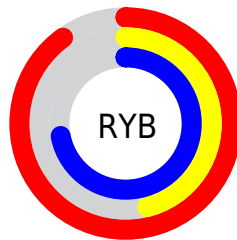
The Yxy color **32.9645, 0.3681, 0.2552** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **63.0695, 0.2814, 0.4191**, and the grayscale version is **34.2683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9970, 0.3291, 0.2621**, and **13.9374, 0.3844, 0.2348** is the 20% darker color. If you saturate the color by 10%, you get **27.8641, 0.3849, 0.2425**, and if you desaturate by 10%, it is **39.4119, 0.3532, 0.2698**.

Distribution



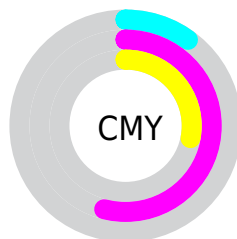
- Red (90%)
- Green (46%)
- Blue (72%)



- Red (90%)
- Yellow (46%)
- Blue (72%)



- Cyan (0%)
- Magenta (49%)
- Yellow (20%)
- Black (10%)




- Cyan (10%)
- Magenta (54%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9645, 0.3681, 0.2552 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 32.9645, 0.3681, 0.2552 by changing the saturation by 10% instead.


 32.9645, 0.3681,
0.2552


 32.9645, 0.3681,
0.2552


315.4897, 0.3400,
0.2918


 22.0993, 0.3752,
0.2462


 64.3201, 0.3578,
0.2684

 13.9298, 0.3843,
0.2347


 85.5792, 0.3540,
0.2734

 8.0719, 0.3966,
0.2197


 111.0718, 0.3508,
0.2776

 4.1410, 0.4137,
0.1991

141.1822, 0.3480,
0.2813

 1.7527, 0.4394,
0.1697

176.2948, 0.3456,
0.2844

 0.4575, 0.4887,
0.1112

216.7940, 0.3435,

 0.0000, 0.6641,

0.2872

0.0000

263.0642, 0.3417,
0.2897

0.0000, 0.0000,
0.0000

32.9645, 0.3681,
0.2552

32.9645, 0.3681,
0.2552

27.8641, 0.3849,
0.2425

39.4119, 0.3532,
0.2698

24.0071, 0.4034,
0.2329

47.2901, 0.3402,
0.2852

21.2826, 0.4228,
0.2275


56.6820, 0.3292,
0.3007

19.5576, 0.4423,
0.2272


67.6626, 0.3199,
0.3158

18.6239, 0.4614,
0.2319

80.3017, 0.3121,
0.3302

 18.5580, 0.4630,
0.2324

 94.6632, 0.3056,
0.3437

 95.2483, 0.3003,
0.3340

 95.5672, 0.2976,
0.3290

Harmonies

Analogous

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



32.9645, 0.2828, 0.2188



32.9645, 0.3681, 0.2552



32.9645, 0.4444, 0.3070

Triad

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



32.9645, 0.3681, 0.2552



32.9645, 0.4013, 0.4736



32.9645, 0.1711, 0.2568

Complementary

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



32.9645, 0.3681, 0.2552



63.0695, 0.2814, 0.4191

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.



32.9645, 0.1937, 0.3324



32.9645, 0.3681, 0.2552



32.9645, 0.3240, 0.4800

Square

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



32.9645, 0.3681, 0.2552



32.9645, 0.4593, 0.4263



32.9645, 0.2479, 0.4235



32.9645, 0.1793, 0.2150

Rectangle

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



32.9645, 0.3681, 0.2552



32.9645, 0.4730, 0.3462



32.9645, 0.2479, 0.4235



32.9645, 0.1751, 0.2784

Sweetspot

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



32.9661, 0.3681, 0.2552



76.9942, 0.3252, 0.3069



26.1371, 0.2546, 0.1870



15.8691, 0.3272, 0.3037



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.



32.9661, 0.3681, 0.2552



35.0960, 0.3853, 0.2423



31.1132, 0.4366, 0.3165



14.5085, 0.3201, 0.3154



10.5288, 0.4602, 0.2309



0.7965, 0.4343, 0.2166

Inverse Universe

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



32.9661, 0.3681, 0.2552



35.0960, 0.3853, 0.2423



65.4886, 0.2536, 0.3432



14.5085, 0.3201, 0.3154



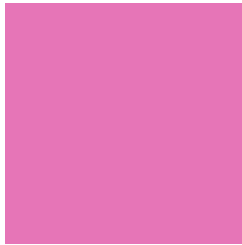
10.5288, 0.4602, 0.2309



0.7965, 0.4343, 0.2166

Previews

White Background



This preview shows how the Yxy color 32.9645, 0.3681, 0.2552 looks on a white background.

Color Contrast Check

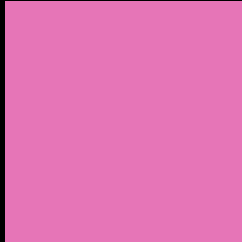
Large Text (above 18pt) WCAG AA × Fail

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 32.9645, 0.3681, 0.2552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

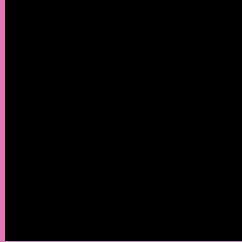
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9645, 0.3681, 0.2552

Background



This preview shows how black text looks on a background with the Yxy color 32.9645, 0.3681, 0.2552.



This preview shows how white text looks on a background with the Yxy color 32.9645, 0.3681, 0.2552.

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

32.9645, 0.3681, 0.2552

Protanopia

33.2901, 0.2564, 0.2519

Deuteranopia

33.2079, 0.2989, 0.2931



Tritanopia

32.9639, 0.4165, 0.3187

Trichromacy



Original Color

32.9645, 0.3681, 0.2552



Protanomaly

32.1041, 0.2901, 0.2505



Deuteranomaly

32.1590, 0.3225, 0.2757



Tritanomaly

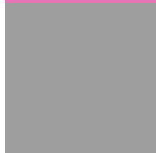
32.7967, 0.3995, 0.2943

Monochromacy



Original Color

32.9645, 0.3681, 0.2552



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.6253, 0.3320, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9645, 0.3681, 0.2552 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(230, 117, 183)` looks like.

```
.text, #text, p{  
    color:rgb(230, 117, 183)  
}
```

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(230, 117, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 117, 183) }
```

Border

The CSS property to change the border of an element to Yxy 32.9645, 0.3681, 0.2552 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(230, 117, 183) }
```

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

```
.border{ border-color:rgb(230, 117, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 117, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 117, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 117, 183);  
box-shadow:4px 4px 4px 4px rgb(230, 117,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9645, 0.3681, 0.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 117, 183) }
```

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

```
.background{ background-color: rgb(230,  
117, 183) }
```

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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