

Converting Colors

$Y_{xy}(45.5520, 0.3167, 0.2565)$

Have a look what the booklet for
Yxy(45.5520, 0.3167, 0.2565)
contains.

Yxy(45.6287, 0.3170, 0.2570)	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(45.6287, 0.3170, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	E09EDF
RGB	224, 158, 223
RGB Percent	88%, 62%, 87%
CMY	0.1216, 0.3803, 0.1256
CMYK	0.00, 0.29, 0.00, 0.12
HSL	301°, 52%, 75%
HSV	301°, 29%, 88%
XYZ	56.2813, 45.6287, 75.6336
YIQ	185.1440, 18.4710, 34.2070

Conversions

Conversions Part 2

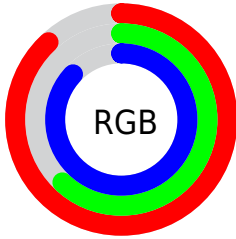
Format	Color
R_{YB}	224, 158, 223
Decimal	14720735
CIE _{Lab}	73.30, 34.94, -23.15
CIE _{LCh}	73, 41.912, 326.466
Yxy	45.6287, 0.3170, 0.2570
Android (android.graphics.Color)	4292910815 (0xFFE09EDF)
YUV	185.1440, 18.6630, 34.0767
Hunter-Lab	67.5490, 30.5140, -19.1018

Details

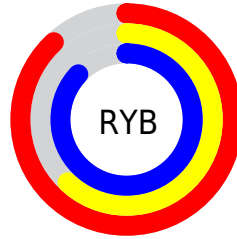
The Yxy color $45.6287, 0.3170, 0.2570$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $63.0815, 0.3081, 0.4133$, and the grayscale version is $48.4874, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $21.4601, 0.3169, 0.2397$ is the 20% darker color. If you saturate the color by 10%, you get $38.6536, 0.3185, 0.2334$, and if you desaturate by 10%, it is $54.0004, 0.3155, 0.2816$.

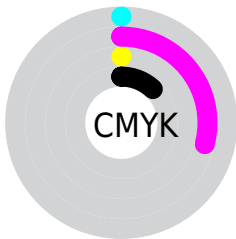
Distribution



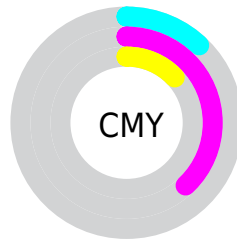
- Red (88%)
- Green (62%)
- Blue (87%)



- Red (88%)
- Yellow (62%)
- Blue (87%)



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (12%)




- Cyan (12%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6287, 0.3170, 0.2570 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 45.6287, 0.3170, 0.2570 by changing the saturation by 10% instead.


 45.6287, 0.3170,
0.2570


 45.6287, 0.3170,
0.2570


369.3139, 0.3157,
0.2909

 31.9529, 0.3171,
0.2492


 83.6630, 0.3167,
0.2689

 21.3255, 0.3171,
0.2394


 108.7904, 0.3165,
0.2734

 13.3622, 0.3169,
0.2270


138.5037, 0.3164,
0.2774

 7.6784, 0.3163,
0.2108

173.1874, 0.3162,
0.2808

 3.8899, 0.3149,
0.1888

213.2259, 0.3161,
0.2838

 1.6121, 0.3112,
0.1574

259.0035, 0.3160,

 0.3658, 0.3084,

0.2864

0.0900

310.9047, 0.3158,
0.2888

0.0000, 0.1545,
0.0000

0.0000, 0.0000,
0.0000

45.6287, 0.3170,
0.2570

45.6287, 0.3170,
0.2570

38.6536, 0.3185,
0.2334

54.0004, 0.3155,
0.2816

32.9935, 0.3200,
0.2116

63.8328, 0.3140,
0.3062

28.5673, 0.3213,
0.1927

75.1931, 0.3126,
0.3303

25.2829, 0.3225,
0.1774

88.1426, 0.3113,
0.3532

■ 23.0349, 0.3235,
0.1663

■ 92.7859, 0.3108,
0.3603

■ 21.6987, 0.3242,
0.1596

■ 92.8047, 0.3106,
0.3599

■ 21.0692, 0.3248,
0.1565

■ 92.8236, 0.3104,
0.3595

■ 21.0417, 0.3248,
0.1563

■ 92.8425, 0.3102,
0.3592

■ 92.8615, 0.3100,
0.3588

Harmonies

Analogous

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



45.6287, 0.2615, 0.2387



45.6287, 0.3170, 0.2570



45.6287, 0.3765, 0.2907

Triad

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



45.6287, 0.3170, 0.2570



45.6287, 0.4057, 0.4183



45.6287, 0.2161, 0.3092

Complementary

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



45.6287, 0.3170, 0.2570



63.0815, 0.3081, 0.4133

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.



45.6287, 0.2485, 0.3693



45.6287, 0.3170, 0.2570



45.6287, 0.3575, 0.4367

Square

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



45.6287, 0.3170, 0.2570



45.6287, 0.4297, 0.3794



45.6287, 0.2999, 0.4198



45.6287, 0.2077, 0.2632

Rectangle

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



45.6287, 0.3170, 0.2570



45.6287, 0.4083, 0.3189



45.6287, 0.2999, 0.4198



45.6287, 0.2243, 0.3286

Sweetspot

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



45.6307, 0.3170, 0.2570



86.1986, 0.3140, 0.3072



37.1104, 0.2609, 0.2434



18.0068, 0.3142, 0.3036



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.



45.6307, 0.3170, 0.2570



55.5733, 0.3179, 0.2431



44.0661, 0.3457, 0.2909



13.9318, 0.3140, 0.3063



12.2505, 0.3248, 0.1563



0.8503, 0.3241, 0.1559

Inverse Universe

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



45.6307, 0.3170, 0.2570



55.5733, 0.3179, 0.2431



64.3389, 0.2890, 0.3707



13.9318, 0.3140, 0.3063



12.2505, 0.3248, 0.1563



0.8503, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 45.6287, 0.3170, 0.2570 looks on a white background.

Color Contrast Check

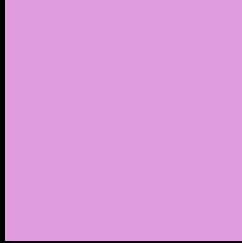
Large Text (above 18pt) WCAG AA × Fail

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 45.6287, 0.3170, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

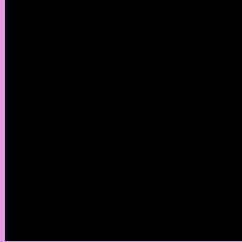
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6287, 0.3170, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 45.6287, 0.3170, 0.2570.



This preview shows how white text looks on a background with the Yxy color 45.6287, 0.3170, 0.2570.

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

45.6287, 0.3170, 0.2570

Protanopia

45.8477, 0.2600, 0.2563

Deuteranopia

45.6830, 0.2810, 0.2743



Tritanopia

45.4325, 0.3499, 0.3136

Trichromacy



Original Color

45.6287, 0.3170, 0.2570



Protanomaly

45.3911, 0.2785, 0.2561



Deuteranomaly

45.1985, 0.2936, 0.2667



Tritanomaly

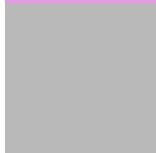
45.3502, 0.3375, 0.2918

Monochromacy



Original Color

45.6287, 0.3170, 0.2570



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.9256, 0.3141, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6287, 0.3170, 0.2570 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(224, 158, 223)` looks like.

```
.text, #text, p{  
    color:rgb(224, 158, 223)  
}
```

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(224, 158, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 158, 223) }
```

Border

The CSS property to change the border of an element to Yxy 45.6287, 0.3170, 0.2570 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(224, 158, 223) }
```

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

```
.border{ border-color:rgb(224, 158, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 158, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 158, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 158, 223);  
box-shadow:4px 4px 4px 4px rgb(224, 158,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6287, 0.3170, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 158, 223) }
```

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

```
.background{ background-color: rgb(224,  
158, 223) }
```

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