

Converting Colors

$Y_{xy}(46.6125, 0.3564, 0.2868)$

Have a look what the booklet for
Yxy(46.6125, 0.3564, 0.2868)
contains.

Yxy(46.6247, 0.3561, 0.2865)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6247, 0.3561, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	F09DC4
RGB	240, 157, 196
RGB Percent	94%, 62%, 77%
CMY	0.0589, 0.3843, 0.2314
CMYK	0.00, 0.35, 0.18, 0.06
HSL	332°, 73%, 78%
HSV	332°, 35%, 94%
XYZ	57.9513, 46.6247, 58.1629
YIQ	186.2630, 36.9490, 29.7250

Conversions

Conversions Part 2

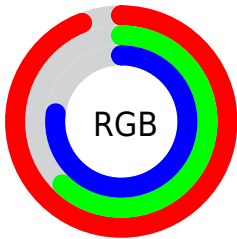
Format	Color
R_{YB}	240, 157, 196
Decimal	15769028
CIE _{Lab}	73.95, 36.27, -7.19
CIE _{LCh}	74, 36.975, 348.782
Yxy	46.6247, 0.3561, 0.2865
Android (android.graphics.Color)	4293959108 (0xFFFF09DC4)
YUV	186.2630, 4.8003, 47.1273
Hunter-Lab	68.2823, 31.9994, -2.7057

Details

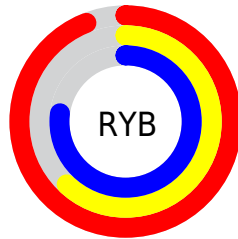
The Yxy color $46.6247, 0.3561, 0.2865$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $73.6994, 0.2839, 0.3763$, and the grayscale version is $49.2162, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.9403, 0.3160, 0.2899$, and $21.9209, 0.3691, 0.2755$ is the 20% darker color. If you saturate the color by 10%, you get $38.7323, 0.3745, 0.2742$, and if you desaturate by 10%, it is $56.1654, 0.3406, 0.2992$.

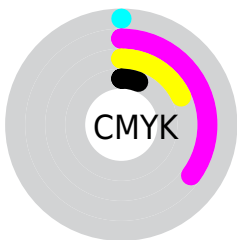
Distribution



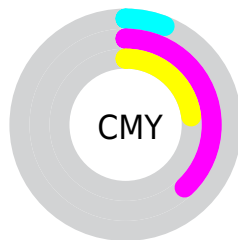
- Red (94%)
- Green (62%)
- Blue (77%)



- Red (94%)
- Yellow (62%)
- Blue (77%)



- Cyan (0%)
- Magenta (35%)
- Yellow (18%)
- Black (6%)



- Cyan (6%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6247, 0.3561, 0.2865 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 46.6247, 0.3561, 0.2865 by changing the saturation by 10% instead.

 46.6247, 0.3561,
0.2865

 46.6247, 0.3561,
0.2865


373.3145, 0.3348,
0.3071

 32.7391, 0.3613,
0.2816

 85.1531, 0.3484,
0.2938

 21.9266, 0.3680,
0.2753


 110.5647, 0.3455,
0.2966

 13.8030, 0.3767,
0.2672


140.5871, 0.3431,
0.2990

 7.9838, 0.3887,
0.2563

175.6047, 0.3409,
0.3011

 4.0846, 0.4060,
0.2408

216.0018, 0.3391,
0.3029

 1.7210, 0.4335,
0.2170

262.1629, 0.3375,

 0.4372, 0.4952,

0.3044

314.4723, 0.3360,
0.3058

0.1558

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.6247, 0.3561,
0.2865

46.6247, 0.3561,
0.2865

38.7323, 0.3745,
0.2742

56.1654, 0.3406,
0.2992

32.3866, 0.3958,
0.2631

67.4353, 0.3277,
0.3118

27.4850, 0.4198,
0.2545

80.5175, 0.3170,
0.3238

23.9096, 0.4458,
0.2495

95.4881, 0.3081,
0.3350

■ 21.5232, 0.4727,
0.2495

■ 97.2629, 0.3035,
0.3290

■ 20.1586, 0.4989,
0.2550

■ 19.7091, 0.5124,
0.2597

Harmonies

Analogous

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



46.6247, 0.3034, 0.2593



46.6247, 0.3561, 0.2865



46.6247, 0.3988, 0.3238

Triad

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



46.6247, 0.3561, 0.2865



46.6247, 0.3651, 0.4218



46.6247, 0.2192, 0.2802

Complementary

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



46.6247, 0.3561, 0.2865



73.6994, 0.2839, 0.3763

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.



46.6247, 0.2327, 0.3252



46.6247, 0.3561, 0.2865



46.6247, 0.3152, 0.4145

Square

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



46.6247, 0.3561, 0.2865



46.6247, 0.4027, 0.4010



46.6247, 0.2669, 0.3771



46.6247, 0.2278, 0.2536

Rectangle

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



46.6247, 0.3561, 0.2865



46.6247, 0.4137, 0.3510



46.6247, 0.2669, 0.3771



46.6247, 0.2213, 0.2935

Sweetspot

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



46.6269, 0.3561, 0.2865



83.9552, 0.3225, 0.3173



42.6727, 0.2831, 0.2342



17.5243, 0.3241, 0.3156



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.



46.6269, 0.3561, 0.2865



47.3662, 0.3678, 0.2783



45.5473, 0.3944, 0.3308



15.8825, 0.3219, 0.3180



10.8168, 0.5086, 0.2576



0.9198, 0.4775, 0.2404

Inverse Universe

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



46.6269, 0.3561, 0.2865



47.3662, 0.3678, 0.2783



74.9612, 0.2636, 0.3273



15.8825, 0.3219, 0.3180



10.8168, 0.5086, 0.2576



0.9198, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 46.6247, 0.3561, 0.2865 looks on a white background.

Color Contrast Check

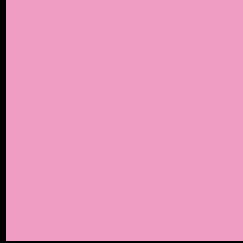
Large Text (above 18pt) WCAG AA × Fail

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 46.6247, 0.3561, 0.2865 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 46.6247, 0.3561, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 46.6247, 0.3561, 0.2865.



This preview shows how white text looks on a background with the Yxy color 46.6247, 0.3561, 0.2865.

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

46.6247, 0.3561, 0.2865

Protanopia

47.0980, 0.2869, 0.2911

Deuteranopia

46.8522, 0.3162, 0.3103



Tritanopia

46.5114, 0.3748, 0.3157

Trichromacy



Original Color

46.6247, 0.3561, 0.2865



Protanomaly

46.2406, 0.3094, 0.2878



Deuteranomaly

46.4486, 0.3302, 0.3015



Tritanomaly

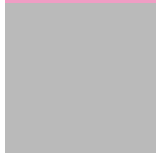
46.6550, 0.3681, 0.3058

Monochromacy



Original Color

46.6247, 0.3561, 0.2865



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.4995, 0.3277, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6247, 0.3561, 0.2865 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(240, 157, 196)` looks like.

```
.text, #text, p{  
    color:rgb(240, 157, 196)  
}
```

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(240, 157, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 157, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.6247, 0.3561, 0.2865 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(240, 157, 196) }
```

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

```
.border{ border-color:rgb(240, 157, 196) }
```

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

Here you see how a box with a 4 pixel rgb(240, 157, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 157, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 157, 196);  
box-shadow:4px 4px 4px 4px rgb(240, 157,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6247, 0.3561, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 157, 196) }
```

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

```
.background{ background-color: rgb(240,  
157, 196) }
```

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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