

Converting Colors

$Y_{xy}(29.2640, 0.3464, 0.2587)$

Have a look what the booklet for
Yxy(29.2640, 0.3464, 0.2587)
contains.

Yxy(29.2640, 0.3464, 0.2587)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.2640, 0.3464, 0.2587)

Conversions

Conversions Part 1

Format	Color
Hex	CB78B0
RGB	203, 120, 176
RGB Percent	80%, 47%, 69%
CMY	0.2039, 0.5294, 0.3097
CMYK	0.00, 0.41, 0.13, 0.20
HSL	320°, 44%, 63%
HSV	320°, 41%, 80%
XYZ	39.1846, 29.2640, 44.6709
YIQ	151.2010, 31.4920, 35.0120

Conversions

Conversions Part 2

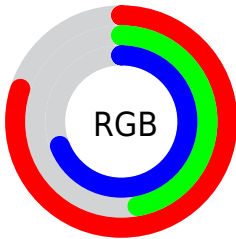
Format	Color
R_{YB}	203, 120, 176
Decimal	13334704
CIE _{Lab}	61.01, 40.17, -15.83
CIE _{LCh}	61, 43.180, 338.496
Yxy	29.2640, 0.3464, 0.2587
Android (android.graphics.Color)	4291524784 (0xFFFCB78B0)
YUV	151.2010, 12.2259, 45.4277
Hunter-Lab	54.0962, 34.6281, -11.0924

Details

The Yxy color $29.2640, 0.3464, 0.2587$ is a light color, and the websafe version is hex $CC6699$. A complement of this color would be $48.8134, 0.2903, 0.4123$, and the grayscale version is $30.9754, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.3583, 0.3347, 0.2706$, and $11.8893, 0.3567, 0.2391$ is the 20% darker color. If you saturate the color by 10%, you get $24.6344, 0.3579, 0.2425$, and if you desaturate by 10%, it is $34.9441, 0.3362, 0.2760$.

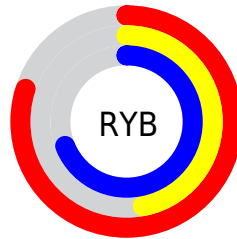
Distribution



Red (80%)

Green (47%)

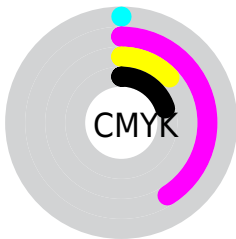
Blue (69%)



Red (80%)

Yellow (47%)

Blue (69%)

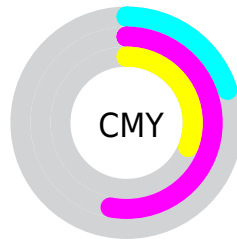


Cyan (0%)

Magenta (41%)

Yellow (13%)

Black (20%)



Cyan (20%)


Magenta (53%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2640, 0.3464, 0.2587 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 29.2640, 0.3464, 0.2587 by changing the saturation by 10% instead.


 29.2640, 0.3464,
0.2587


 29.2640, 0.3464,
0.2587

298.4586, 0.3293,
0.2944

 19.2806, 0.3507,
0.2497


 58.4963, 0.3401,
0.2718

 11.8732, 0.3563,
0.2380


 78.5140, 0.3378,
0.2766

 6.6574, 0.3638,
0.2225


 102.6452, 0.3358,
0.2807

 3.2488, 0.3743,
0.2008

131.2744, 0.3341,
0.2843

 1.2630, 0.3899,
0.1686

164.7859, 0.3327,
0.2873

 0.1122, 0.4488,
0.0453

203.5642, 0.3314,


 0.0000, 0.6001,


0.2900

0.0000

247.9936, 0.3303,
0.2923


 0.0000, 0.0000,
0.0000


 29.2640, 0.3464,
0.2587


 29.2640, 0.3464,
0.2587


 24.6344, 0.3579,
0.2425


 34.9441, 0.3362,
0.2760


 20.9849, 0.3707,
0.2284


 41.7309, 0.3273,
0.2936

 18.2433, 0.3843,
0.2176


 49.6816, 0.3197,
0.3109


 16.3252, 0.3984,
0.2110

 58.8481, 0.3132,
0.3276


 15.1304, 0.4124,
0.2093

 69.2793, 0.3078,
0.3432

 14.5042, 0.4249,
0.2115

 81.0213, 0.3033,
0.3578

 89.5027, 0.2995,
0.3642

 89.8639, 0.2959,
0.3569

 90.2392, 0.2924,
0.3497

Harmonies

Analogous

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



29.2640, 0.2760, 0.2299



29.2640, 0.3464, 0.2587



29.2640, 0.4134, 0.3025

Triad

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



29.2640, 0.3464, 0.2587



29.2640, 0.4009, 0.4471



29.2640, 0.1923, 0.2792

Complementary

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



29.2640, 0.3464, 0.2587



48.8134, 0.2903, 0.4123

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.



29.2640, 0.2182, 0.3470



29.2640, 0.3464, 0.2587



29.2640, 0.3371, 0.4569

Square

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



29.2640, 0.3464, 0.2587



29.2640, 0.4439, 0.4061



29.2640, 0.2701, 0.4185



29.2640, 0.1942, 0.2366

Rectangle

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



29.2640, 0.3464, 0.2587



29.2640, 0.4425, 0.3365



29.2640, 0.2701, 0.4185



29.2640, 0.1978, 0.2995

Sweetspot

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



29.2654, 0.3464, 0.2587



81.3825, 0.3206, 0.3088



23.8815, 0.2605, 0.2116



17.0247, 0.3215, 0.3065



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.



29.2654, 0.3464, 0.2587



42.1135, 0.3565, 0.2444



27.8851, 0.3965, 0.3094



11.3393, 0.3187, 0.3135



9.2471, 0.4231, 0.2105



0.4906, 0.3984, 0.1968

Inverse Universe

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



29.2654, 0.3464, 0.2587



42.1135, 0.3565, 0.2444



50.3292, 0.2656, 0.3504



11.3393, 0.3187, 0.3135



9.2471, 0.4231, 0.2105



0.4906, 0.3984, 0.1968

Previews

White Background



This preview shows how the Yxy color 29.2640, 0.3464, 0.2587 looks on a white background.

Color Contrast Check

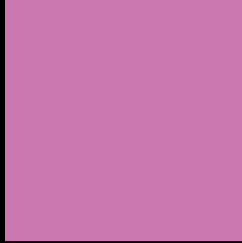
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2640, 0.3464, 0.2587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

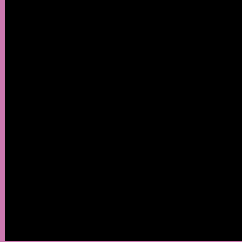
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2640, 0.3464, 0.2587

Background



This preview shows how black text looks on a background with the Yxy color 29.2640, 0.3464, 0.2587.



This preview shows how white text looks on a background with the Yxy color 29.2640, 0.3464, 0.2587.

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

29.2640, 0.3464, 0.2587

Protanopia

29.6037, 0.2614, 0.2579

Deuteranopia

29.4091, 0.2926, 0.2868



Tritanopia

29.3866, 0.3864, 0.3173

Trichromacy



Original Color

29.2640, 0.3464, 0.2587



Protanomaly

28.9528, 0.2887, 0.2579



Deuteranomaly

28.7801, 0.3110, 0.2748



Tritanomaly

29.1810, 0.3715, 0.2951

Monochromacy



Original Color

29.2640, 0.3464, 0.2587



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.8403, 0.3248, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2640, 0.3464, 0.2587 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(203, 120, 176)` looks like.

```
.text, #text, p{  
    color:rgb(203, 120, 176)  
}
```

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(203, 120, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 120, 176) }
```

Border

The CSS property to change the border of an element to Yxy 29.2640, 0.3464, 0.2587 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(203, 120, 176) }
```

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

```
.border{ border-color:rgb(203, 120, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 120, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 120, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 120, 176); box-shadow:4px 4px 4px 4px rgb(203, 120, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2640, 0.3464, 0.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 120, 176) }
```

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

```
.background{ background-color: rgb(203,  
120, 176) }
```

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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