

Converting Colors

$Y_{xy}(31.5867, 0.3544, 0.2647)$

Have a look what the booklet for
Yxy(31.5867, 0.3544, 0.2647)
contains.

Yxy(31.5867, 0.3544, 0.2647)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5867, 0.3544, 0.2647)

Conversions

Conversions Part 1

Format	Color
Hex	D47CB1
RGB	212, 124, 177
RGB Percent	83%, 49%, 69%
CMY	0.1687, 0.5137, 0.3060
CMYK	0.00, 0.41, 0.17, 0.17
HSL	324°, 51%, 66%
HSV	324°, 41%, 83%
XYZ	42.2906, 31.5867, 45.4529
YIQ	156.3540, 35.4350, 35.1390

Conversions

Conversions Part 2

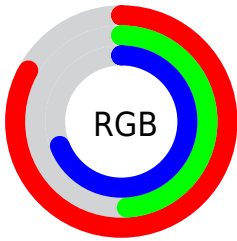
Format	Color
R_{YB}	212, 124, 177
Decimal	13925553
CIE _{Lab}	63.00, 41.20, -13.27
CIE _{LCh}	63, 43.281, 342.150
Yxy	31.5867, 0.3544, 0.2647
Android (android.graphics.Color)	4292115633 (0xFFD47CB1)
YUV	156.3540, 10.1785, 48.8015
Hunter-Lab	56.2020, 35.9632, -8.6088

Details

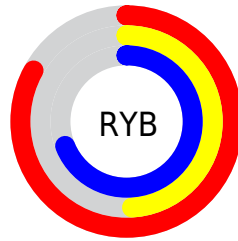
The Yxy color **31.5867, 0.3544, 0.2647** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **53.8712, 0.2862, 0.4045**, and the grayscale version is **33.3550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9840, 0.3334, 0.2737**, and **13.1579, 0.3683, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **26.5070, 0.3689, 0.2501**, and if you desaturate by 10%, it is **37.8322, 0.3417, 0.2804**.

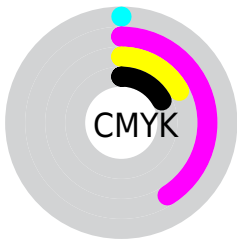
Distribution



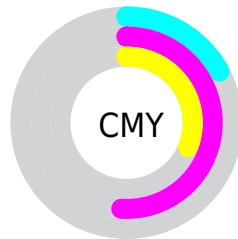
- Red (83%)
- Green (49%)
- Blue (69%)



- Red (83%)
- Yellow (49%)
- Blue (69%)



- Cyan (0%)
- Magenta (41%)
- Yellow (17%)
- Black (17%)




- Cyan (17%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5867, 0.3544, 0.2647 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 31.5867, 0.3544, 0.2647 by changing the saturation by 10% instead.


 31.5867, 0.3544,
0.2647

 31.5867, 0.3544,
0.2647


309.2322, 0.3331,
0.2971

 21.0460, 0.3599,
0.2565


 62.1626, 0.3466,
0.2765

 13.1576, 0.3669,
0.2461


 82.9666, 0.3436,
0.2810

 7.5372, 0.3765,
0.2321


 107.9605, 0.3412,
0.2847

 3.8003, 0.3900,
0.2126

137.5287, 0.3391,
0.2879

 1.5625, 0.4107,
0.1838

172.0556, 0.3373,
0.2907

 0.3321, 0.4609,
0.1079

211.9255, 0.3357,

 0.0000, 0.7627,

0.2931


0.0000


257.5229, 0.3343,
0.2952


 0.0000, 0.0000,
0.0000

 31.5867, 0.3544,
0.2647


 31.5867, 0.3544,
0.2647


 26.5070, 0.3689,
0.2501


 37.8322, 0.3417,
0.2804


 22.5144, 0.3852,
0.2377

 45.3068, 0.3308,
0.2963


 19.5275, 0.4028,
0.2285


 54.0743, 0.3215,
0.3119

 17.4513, 0.4211,
0.2237

 64.1929, 0.3138,
0.3268

 16.1723, 0.4394,
0.2240

 75.7174, 0.3073,
0.3409

 15.5441, 0.4547,
0.2278

 88.6992, 0.3019,
0.3540

 91.5732, 0.2973,
0.3488

 92.0753, 0.2927,
0.3398

 92.6009, 0.2883,
0.3311

Harmonies

Analogous

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



31.5867, 0.2846, 0.2343



31.5867, 0.3544, 0.2647



31.5867, 0.4175, 0.3091

Triad

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



31.5867, 0.3544, 0.2647



31.5867, 0.3924, 0.4478



31.5867, 0.1935, 0.2739

Complementary

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



31.5867, 0.3544, 0.2647



53.8712, 0.2862, 0.4045

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.



31.5867, 0.2156, 0.3378



31.5867, 0.3544, 0.2647



31.5867, 0.3286, 0.4517

Square

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



31.5867, 0.3544, 0.2647



31.5867, 0.4377, 0.4106



31.5867, 0.2639, 0.4088



31.5867, 0.1985, 0.2353

Rectangle

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



31.5867, 0.3544, 0.2647



31.5867, 0.4429, 0.3429



31.5867, 0.2639, 0.4088



31.5867, 0.1978, 0.2928

Sweetspot

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



31.5882, 0.3544, 0.2647



81.2470, 0.3221, 0.3109



26.4148, 0.2647, 0.2110



16.9927, 0.3232, 0.3089



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.



31.5882, 0.3544, 0.2647



40.9406, 0.3675, 0.2515



30.1436, 0.4060, 0.3164



12.5451, 0.3198, 0.3151



9.6176, 0.4523, 0.2265



0.5962, 0.4235, 0.2107

Inverse Universe

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



31.5882, 0.3544, 0.2647



40.9406, 0.3675, 0.2515



55.6185, 0.2617, 0.3427



12.5451, 0.3198, 0.3151



9.6176, 0.4523, 0.2265



0.5962, 0.4235, 0.2107

Previews

White Background



This preview shows how the Yxy color 31.5867, 0.3544, 0.2647 looks on a white background.

Color Contrast Check

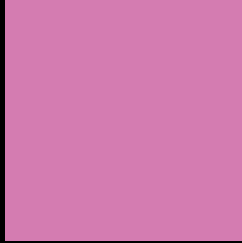
Large Text (above 18pt) WCAG AA × Fail

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 31.5867, 0.3544, 0.2647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

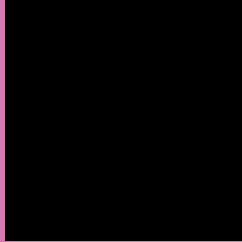
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5867, 0.3544, 0.2647

Background



This preview shows how black text looks on a background with the Yxy color 31.5867, 0.3544, 0.2647.



This preview shows how white text looks on a background with the Yxy color 31.5867, 0.3544, 0.2647.

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

31.5867, 0.3544, 0.2647

Protanopia

31.8695, 0.2666, 0.2640

Deuteranopia

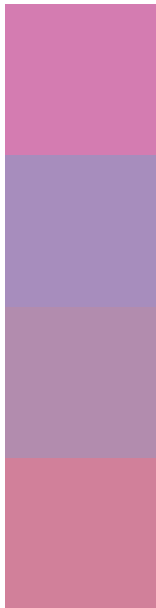
31.7811, 0.2995, 0.2939



Tritanopia

31.5656, 0.3904, 0.3165

Trichromacy



Original Color

31.5867, 0.3544, 0.2647

Protanomaly

30.9394, 0.2939, 0.2625

Deuteranomaly

31.2771, 0.3191, 0.2821

Tritanomaly

31.3267, 0.3770, 0.2964

Monochromacy



Original Color

31.5867, 0.3544, 0.2647

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.8570, 0.3266, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5867, 0.3544, 0.2647 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(212, 124, 177)` looks like.

```
.text, #text, p{  
    color:rgb(212, 124, 177)  
}
```

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(212, 124, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 124, 177) }
```

Border

The CSS property to change the border of an element to Yxy 31.5867, 0.3544, 0.2647 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(212, 124, 177) }
```

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

```
.border{ border-color:rgb(212, 124, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 124, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 124, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 124, 177);  
box-shadow:4px 4px 4px 4px rgb(212, 124,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5867, 0.3544, 0.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 124, 177) }
```

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

```
.background{ background-color: rgb(212,  
124, 177) }
```

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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