

Converting Colors

$Y_{xy}(31.0240, 0.3536, 0.2744)$

Have a look what the booklet for
Yxy(31.0240, 0.3536, 0.2744)
contains.

Yxy(31.0602, 0.3542, 0.2749)	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(31.0602, 0.3542, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	CD7FAA
RGB	205, 127, 170
RGB Percent	80%, 50%, 67%
CMY	0.1961, 0.5019, 0.3334
CMYK	0.00, 0.38, 0.17, 0.20
HSL	327°, 44%, 65%
HSV	327°, 38%, 80%
XYZ	40.0201, 31.0602, 41.9070
YIQ	155.2240, 32.6850, 29.9090

Conversions

Conversions Part 2

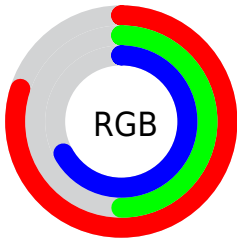
Format	Color
R _{YB}	205, 127, 170
Decimal	13467562
CIE _{Lab}	62.56, 36.14, -10.04
CIE _{LCh}	63, 37.511, 344.483
Yxy	31.0602, 0.3542, 0.2749
Android (android.graphics.Color)	4291657642 (0xFFCD7FAA)
YUV	155.2240, 7.2846, 43.6536
Hunter-Lab	55.7317, 30.6478, -5.5705

Details

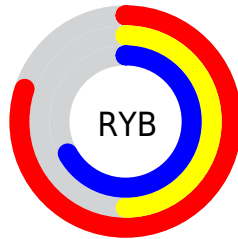
The Yxy color **31.0602, 0.3542, 0.2749** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **50.7842, 0.2856, 0.3908**, and the grayscale version is **32.8398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7440, 0.3396, 0.2844**, and **12.8664, 0.3666, 0.2585** is the 20% darker color. If you saturate the color by 10%, you get **25.9577, 0.3700, 0.2610**, and if you desaturate by 10%, it is **37.2673, 0.3406, 0.2895**.

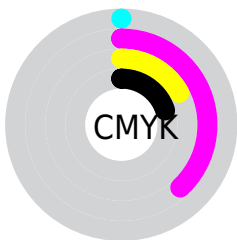
Distribution



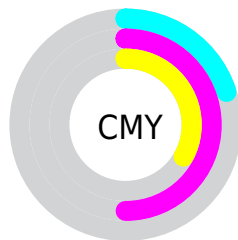
- Red (80%)
- Green (50%)
- Blue (67%)



- Red (80%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (38%)
- Yellow (17%)
- Black (20%)




- Cyan (20%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0602, 0.3542, 0.2749 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 31.0602, 0.3542, 0.2749 by changing the saturation by 10% instead.


 31.0602, 0.3542,
0.2749


 31.0602, 0.3542,
0.2749


306.8156, 0.3327,
0.3026


 20.6447, 0.3598,
0.2678


 61.3348, 0.3462,
0.2851

 12.8645, 0.3672,
0.2586


 81.9628, 0.3432,
0.2889

 7.3353, 0.3774,
0.2462


 106.7636, 0.3408,
0.2921

 3.6727, 0.3920,
0.2286

136.1218, 0.3387,
0.2948

 1.4922, 0.4151,
0.2017

170.4217, 0.3368,
0.2971

 0.2832, 0.4793,
0.1140

210.0477, 0.3353,

 0.0000, 1.0000,

0.2992

0.0000

255.3842, 0.3339,
0.3010

0.0000, 0.0000,
0.0000

31.0602, 0.3542,
0.2749

31.0602, 0.3542,
0.2749

25.9577, 0.3700,
0.2610

37.2673, 0.3406,
0.2895

21.8891, 0.3880,
0.2488

44.6352, 0.3290,
0.3040

18.7824, 0.4079,
0.2394


53.2217, 0.3193,
0.3182


16.5545, 0.4291,
0.2340


63.0792, 0.3113,
0.3316

15.1077, 0.4506,
0.2335

74.2574, 0.3046,
0.3441

 14.2982, 0.4716,
0.2382

 86.8029, 0.2990,
0.3556

 14.1702, 0.4757,
0.2394

 90.4631, 0.2941,
0.3507

 91.0072, 0.2892,
0.3409

 91.5793, 0.2844,
0.3312

Harmonies

Analogous

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



31.0602, 0.2930, 0.2463



31.0602, 0.3542, 0.2749



31.0602, 0.4073, 0.3156

Triad

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



31.0602, 0.3542, 0.2749



31.0602, 0.3798, 0.4347



31.0602, 0.2065, 0.2781

Complementary

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



31.0602, 0.3542, 0.2749



50.7842, 0.2856, 0.3908

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.



31.0602, 0.2249, 0.3325



31.0602, 0.3542, 0.2749



31.0602, 0.3231, 0.4332

Square

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



31.0602, 0.3542, 0.2749



31.0602, 0.4206, 0.4054



31.0602, 0.2665, 0.3934



31.0602, 0.2127, 0.2450

Rectangle

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



31.0602, 0.3542, 0.2749



31.0602, 0.4277, 0.3462



31.0602, 0.2665, 0.3934



31.0602, 0.2098, 0.2942

Sweetspot

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



31.0617, 0.3542, 0.2749



82.6060, 0.3221, 0.3139



27.1456, 0.2735, 0.2231



17.2605, 0.3234, 0.3119



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.



31.0617, 0.3542, 0.2749



43.6311, 0.3676, 0.2630



29.8317, 0.3994, 0.3225



11.3154, 0.3205, 0.3163



8.8410, 0.4729, 0.2379



0.4713, 0.4353, 0.2171

Inverse Universe

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



31.0617, 0.3542, 0.2749



43.6311, 0.3676, 0.2630



52.3354, 0.2631, 0.3359



11.3154, 0.3205, 0.3163



8.8410, 0.4729, 0.2379



0.4713, 0.4353, 0.2171

Previews

White Background



This preview shows how the Yxy color 31.0602, 0.3542, 0.2749 looks on a white background.

Color Contrast Check

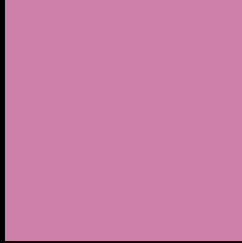
Large Text (above 18pt) WCAG AA × Fail

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 31.0602, 0.3542, 0.2749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

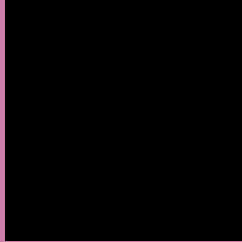
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0602, 0.3542, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 31.0602, 0.3542, 0.2749.



This preview shows how white text looks on a background with the Yxy color 31.0602, 0.3542, 0.2749.

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

31.0602, 0.3542, 0.2749

Protanopia

31.2448, 0.2765, 0.2772

Deuteranopia

31.4066, 0.3079, 0.3025



Tritanopia

31.0121, 0.3822, 0.3161

Trichromacy



Original Color

31.0602, 0.3542, 0.2749

Protanomaly

30.7483, 0.3011, 0.2752

Deuteranomaly

30.7763, 0.3240, 0.2911

Tritanomaly

30.9288, 0.3721, 0.3007

Monochromacy



Original Color

31.0602, 0.3542, 0.2749

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.6731, 0.3273, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0602, 0.3542, 0.2749 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(205, 127, 170)` looks like.

```
.text, #text, p{  
    color:rgb(205, 127, 170)  
}
```

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(205, 127, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 127, 170) }
```

Border

The CSS property to change the border of an element to Yxy 31.0602, 0.3542, 0.2749 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(205, 127, 170) }
```

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

```
.border{ border-color:rgb(205, 127, 170) }
```

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

Here you see how a box with a 4 pixel rgb(205, 127, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 127, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 127, 170);  
box-shadow:4px 4px 4px 4px rgb(205, 127,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0602, 0.3542, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 127, 170) }
```

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

```
.background{ background-color: rgb(205,  
127, 170) }
```

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