

Converting Colors

$Y_{xy}(25.0207, 0.3663, 0.2542)$

Have a look what the booklet for
Yxy(25.0207, 0.3663, 0.2542)
contains.

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Color

Yxy(25.0413, 0.3656, 0.2537)

Conversions

Conversions Part 1

Format	Color
Hex	CB67A3
RGB	203, 103, 163
RGB Percent	80%, 40%, 64%
CMY	0.2040, 0.5960, 0.3608
CMYK	0.00, 0.49, 0.20, 0.20
HSL	324°, 49%, 60%
HSV	324°, 49%, 80%
XYZ	36.0863, 25.0413, 37.5768
YIQ	139.7400, 40.3400, 39.8600

Conversions

Conversions Part 2

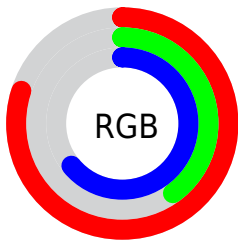
Format	Color
R _Y B	203, 103, 163
Decimal	13330339
CIE Lab	57.12, 46.90, -14.23
CIE LCh	57, 49.009, 343.127
Yxy	25.0413, 0.3656, 0.2537
Android (android.graphics.Color)	4291520419 (0xFFFCB67A3)
YUV	139.7400, 11.4672, 55.4790
Hunter-Lab	50.0413, 41.1496, -9.4929

Details

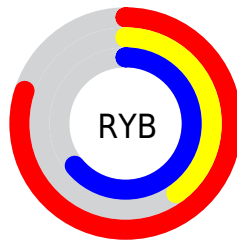
The Yxy color **25.0413, 0.3656, 0.2537** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.5742, 0.2824, 0.4211**, and the grayscale version is **26.0639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4359, 0.3490, 0.2669**, and **9.5399, 0.3827, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **21.2003, 0.3815, 0.2407**, and if you desaturate by 10%, it is **29.8835, 0.3514, 0.2685**.

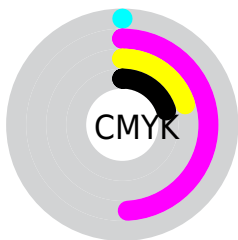
Distribution



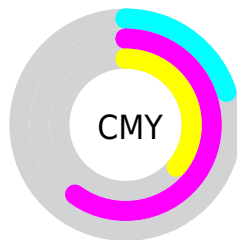
- Red (80%)
- Green (40%)
- Blue (64%)



- Red (80%)
- Yellow (40%)
- Blue (64%)



- Cyan (0%)
- Magenta (49%)
- Yellow (20%)
- Black (20%)




- Cyan (20%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0413, 0.3656, 0.2537 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 25.0413, 0.3656, 0.2537 by changing the saturation by 10% instead.


 25.0413, 0.3656,
0.2537


 25.0413, 0.3656,
0.2537


278.0436, 0.3377,
0.2927

 16.1078, 0.3730,
0.2436


 51.7242, 0.3551,
0.2682

 9.6005, 0.3829,
0.2303


 70.2424, 0.3513,
0.2735

 5.1349, 0.3965,
0.2124


 92.7244, 0.3481,
0.2780

 2.3266, 0.4165,
0.1869

 119.5544, 0.3454,
0.2818

 0.7877, 0.4486,
0.1477

151.1170, 0.3430,
0.2851

 0.0000, 0.5654,
0.0000

187.7964, 0.3410,

 0.0000, 0.0000,

0.2880

0.0000

229.9771, 0.3393,
0.2905

■ 25.0413, 0.3656,
0.2537

■ 25.0413, 0.3656,
0.2537

■ 21.2003, 0.3815,
0.2407

■ 29.8835, 0.3514,
0.2685

■ 18.2844, 0.3989,
0.2307

■ 35.7886, 0.3391,
0.2842

■ 16.2124, 0.4172,
0.2248

■ 42.8175, 0.3286,
0.3000


■ 14.8871, 0.4357,
0.2239

■ 51.0253, 0.3197,
0.3154


■ 14.1425, 0.4537,
0.2277

■ 60.4638, 0.3122,
0.3301

 14.0943, 0.4551,
0.2281

 71.1812, 0.3060,
0.3438

 83.2236, 0.3008,
0.3566

 89.8141, 0.2964,
0.3578

 90.2757, 0.2920,
0.3490

Harmonies

Analogous

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



25.0413, 0.2804, 0.2178



25.0413, 0.3656, 0.2537



25.0413, 0.4429, 0.3052

Triad

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



25.0413, 0.3656, 0.2537



25.0413, 0.4035, 0.4729



25.0413, 0.1711, 0.2584

Complementary

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



25.0413, 0.3656, 0.2537



47.5742, 0.2824, 0.4211

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.



25.0413, 0.1946, 0.3351



25.0413, 0.3656, 0.2537



25.0413, 0.3264, 0.4811

Square

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



25.0413, 0.3656, 0.2537



25.0413, 0.4608, 0.4247



25.0413, 0.2498, 0.4262



25.0413, 0.1783, 0.2155

Rectangle

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



25.0413, 0.3656, 0.2537



25.0413, 0.4725, 0.3443



25.0413, 0.2498, 0.4262



25.0413, 0.1754, 0.2804

Sweetspot

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



25.0425, 0.3656, 0.2537



77.0302, 0.3248, 0.3063



19.8550, 0.2550, 0.1878



15.8778, 0.3267, 0.3030



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.



25.0425, 0.3656, 0.2537



35.2031, 0.3824, 0.2401



23.5911, 0.4356, 0.3166



11.3248, 0.3198, 0.3152



8.9892, 0.4528, 0.2268



0.4785, 0.4203, 0.2089

Inverse Universe

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



25.0425, 0.3656, 0.2537



35.2031, 0.3824, 0.2401



49.4404, 0.2538, 0.3432



11.3248, 0.3198, 0.3152



8.9892, 0.4528, 0.2268



0.4785, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 25.0413, 0.3656, 0.2537 looks on a white background.

Color Contrast Check

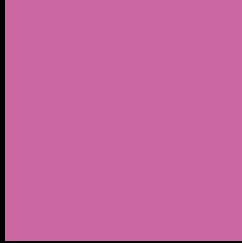
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0413, 0.3656, 0.2537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

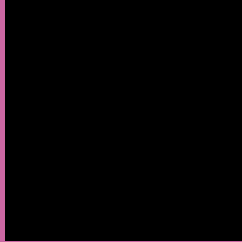
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0413, 0.3656, 0.2537

Background



This preview shows how black text looks on a background with the Yxy color 25.0413, 0.3656, 0.2537.



This preview shows how white text looks on a background with the Yxy color 25.0413, 0.3656, 0.2537.

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

25.0413, 0.3656, 0.2537

Protanopia

25.3644, 0.2553, 0.2507

Deuteranopia

25.1815, 0.2961, 0.2904



Tritanopia

25.0865, 0.4159, 0.3187

Trichromacy



Original Color

25.0413, 0.3656, 0.2537



Protanomaly

24.3051, 0.2882, 0.2485



Deuteranomaly

24.5965, 0.3199, 0.2738



Tritanomaly

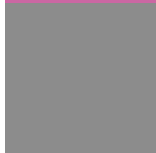
24.9942, 0.3965, 0.2938

Monochromacy



Original Color

25.0413, 0.3656, 0.2537



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

25.1034, 0.3317, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0413, 0.3656, 0.2537 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, 103, 163)` looks like.

```
.text, #text, p{  
    color:rgb(203, 103, 163)  
}
```

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, 103, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 103, 163) }
```

Border

The CSS property to change the border of an element to Yxy 25.0413, 0.3656, 0.2537 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, 103, 163) }
```

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

```
.border{ border-color:rgb(203, 103, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 103, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 103, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 103, 163);  
box-shadow:4px 4px 4px 4px rgb(203, 103,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0413, 0.3656, 0.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 103, 163) }
```

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

```
.background{ background-color: rgb(203,  
103, 163) }
```

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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