

Converting Colors

$Y_{xy}(21.7885, 0.3633, 0.2502)$

Have a look what the booklet for
Yxy(21.7885, 0.3633, 0.2502)
contains.

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Color

Yxy(21.8087, 0.3633, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	BF609B
RGB	191, 96, 155
RGB Percent	75%, 38%, 61%
CMY	0.2509, 0.6236, 0.3921
CMYK	0.00, 0.50, 0.19, 0.25
HSL	323°, 43%, 56%
HSV	323°, 50%, 75%
XYZ	31.5913, 21.8087, 33.5565
YIQ	131.1310, 37.6810, 38.4890

Conversions

Conversions Part 2

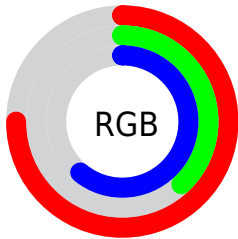
Format	Color
R_{YB}	191, 96, 155
Decimal	12542107
CIE _{Lab}	53.82, 45.39, -14.71
CIE _{LCh}	54, 47.709, 342.043
Yxy	21.8087, 0.3633, 0.2508
Android (android.graphics.Color)	4290732187 (0xFFBF609B)
YUV	131.1310, 11.7674, 52.5051
Hunter-Lab	46.6998, 39.0264, -9.9135

Details

The Yxy color **21.8087, 0.3633, 0.2508** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **41.4277, 0.2836, 0.4252**, and the grayscale version is **22.6927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2878, 0.3523, 0.2654**, and **7.9517, 0.3797, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **18.5020, 0.3782, 0.2375**, and if you desaturate by 10%, it is **25.9789, 0.3499, 0.2660**.

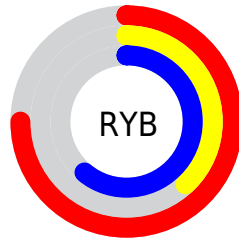
Distribution



Red (75%)

Green (38%)

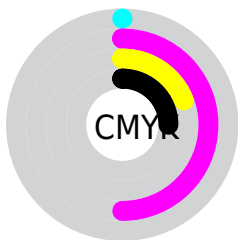
Blue (61%)



Red (75%)

Yellow (38%)

Blue (61%)

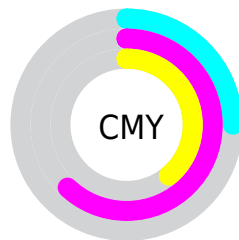


Cyan (0%)

Magenta (50%)

Yellow (19%)

Black (25%)



Cyan (25%)


Magenta (62%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8087, 0.3633, 0.2508 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 21.8087, 0.3633, 0.2508 by changing the saturation by 10% instead.


 21.8087, 0.3633,
0.2508


 21.8087, 0.3633,
0.2508


261.5456, 0.3362,
0.2921


 13.7164, 0.3707,
0.2398


 46.4296, 0.3530,
0.2663

 7.9237, 0.3806,
0.2253

 63.7270, 0.3493,
0.2720

 4.0462, 0.3945,
0.2053


 84.8616, 0.3462,
0.2767

 1.6994, 0.4152,
0.1764

 110.2177, 0.3435,
0.2807

 0.4233, 0.4582,
0.1139

140.1798, 0.3413,
0.2842

 0.0000, 0.6174,
0.0000

175.1322, 0.3394,

 0.0000, 0.0000,

0.2872

0.0000

215.4593, 0.3377,
0.2898

■ 21.8087, 0.3633,
0.2508

■ 21.8087, 0.3633,
0.2508

■ 18.5020, 0.3782,
0.2375

■ 25.9789, 0.3499,
0.2660

■ 15.9930, 0.3944,
0.2272

■ 31.0658, 0.3383,
0.2821

■ 14.2114, 0.4114,
0.2210


■ 37.1221, 0.3282,
0.2983

■ 13.0732, 0.4286,
0.2197


■ 44.1956, 0.3197,
0.3142


■ 12.4178, 0.4454,
0.2229

■ 52.3307, 0.3126,
0.3294

 12.4034, 0.4459,
0.2230

 61.5693, 0.3066,
0.3436

 71.9512, 0.3016,
0.3568

 83.5139, 0.2974,
0.3690

 87.7770, 0.2936,
0.3672

Harmonies

Analogous

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



21.8087, 0.2768, 0.2152



21.8087, 0.3633, 0.2508



21.8087, 0.4431, 0.3026

Triad

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



21.8087, 0.3633, 0.2508



21.8087, 0.4074, 0.4741



21.8087, 0.1692, 0.2591

Complementary

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



21.8087, 0.3633, 0.2508



41.4277, 0.2836, 0.4252

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.



21.8087, 0.1940, 0.3384



21.8087, 0.3633, 0.2508



21.8087, 0.3293, 0.4851

Square

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



21.8087, 0.3633, 0.2508



21.8087, 0.4647, 0.4237



21.8087, 0.2510, 0.4313



21.8087, 0.1755, 0.2146

Rectangle

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



21.8087, 0.3633, 0.2508



21.8087, 0.4745, 0.3420



21.8087, 0.2510, 0.4313



21.8087, 0.1738, 0.2820

Sweetspot

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



21.8097, 0.3633, 0.2508



71.9529, 0.3242, 0.3056



16.9375, 0.2513, 0.1857



15.2203, 0.3261, 0.3022



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8097, 0.3633, 0.2508



32.5160, 0.3801, 0.2361



20.5398, 0.4319, 0.3122



9.6333, 0.3194, 0.3148



8.1644, 0.4437, 0.2218



0.3322, 0.4070, 0.2016

Inverse Universe

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



21.8097, 0.3633, 0.2508



32.5160, 0.3801, 0.2361



42.9903, 0.2554, 0.3482



9.6333, 0.3194, 0.3148



8.1644, 0.4437, 0.2218



0.3322, 0.4070, 0.2016

Previews

White Background



This preview shows how the Yxy color 21.8087, 0.3633, 0.2508 looks on a white background.

Color Contrast Check

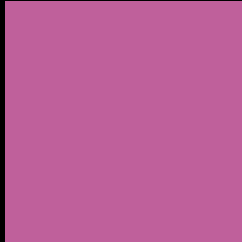
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8087, 0.3633, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

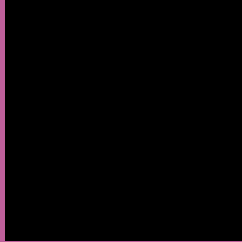
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8087, 0.3633, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 21.8087, 0.3633, 0.2508.



This preview shows how white text looks on a background with the Yxy color 21.8087, 0.3633, 0.2508.

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

21.8087, 0.3633, 0.2508

Protanopia

21.9305, 0.2523, 0.2463

Deuteranopia

22.0293, 0.2941, 0.2882



Tritanopia

21.8602, 0.4151, 0.3181

Trichromacy



Original Color

21.8087, 0.3633, 0.2508

Protanomaly

21.1061, 0.2857, 0.2455

Deuteranomaly

21.3008, 0.3167, 0.2705

Tritanomaly

21.7526, 0.3960, 0.2931

Monochromacy



Original Color

21.8087, 0.3633, 0.2508

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.6226, 0.3305, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8087, 0.3633, 0.2508 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(191, 96, 155)` looks like.

```
.text, #text, p{  
    color:rgb(191, 96, 155)  
}
```

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(191, 96, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 96, 155) }
```

Border

The CSS property to change the border of an element to Yxy 21.8087, 0.3633, 0.2508 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(191, 96, 155) }
```

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

```
.border{ border-color:rgb(191, 96, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 96, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 96, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 96, 155); box-shadow:4px 4px 4px 4px rgb(191, 96, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8087, 0.3633, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 96, 155) }
```

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

```
.background{ background-color: rgb(191, 96,  
155) }
```

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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