

Converting Colors

$Y_{xy}(20.7493, 0.3786, 0.2576)$

Have a look what the booklet for
Yxy(20.7493, 0.3786, 0.2576)
contains.

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Color

Yxy(20.7750, 0.3784, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	BF5C91
RGB	191, 92, 145
RGB Percent	75%, 36%, 57%
CMY	0.2510, 0.6392, 0.4313
CMYK	0.00, 0.52, 0.24, 0.25
HSL	328°, 44%, 55%
HSV	328°, 52%, 75%
XYZ	30.4228, 20.7750, 29.2008
YIQ	127.6430, 41.9910, 37.4710

Conversions

Conversions Part 2

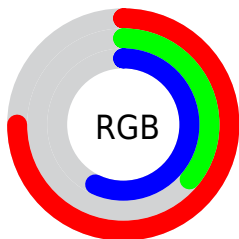
Format	Color
R_{YB}	191, 92, 145
Decimal	12541073
CIE _{Lab}	52.70, 45.89, -10.52
CIE _{LCh}	53, 47.085, 347.085
Yxy	20.7750, 0.3784, 0.2584
Android (android.graphics.Color)	4290731153 (0xFFBF5C91)
YUV	127.6430, 8.5570, 55.5641
Hunter-Lab	45.5796, 39.3784, -6.0787

Details

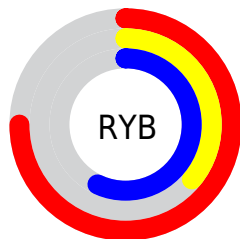
The Yxy color $20.7750, 0.3784, 0.2584$ is a dark color, and the websafe version is hex $CC6699$. A complement of this color would be $41.3676, 0.2775, 0.4155$, and the grayscale version is $21.4168, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5141, 0.3639, 0.2723$, and $7.4282, 0.4020, 0.2336$ is the 20% darker color. If you saturate the color by 10%, you get $17.6102, 0.3978, 0.2474$, and if you desaturate by 10%, it is $24.7972, 0.3612, 0.2714$.

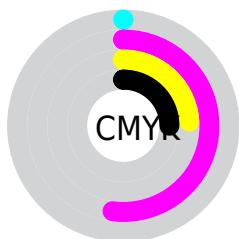
Distribution



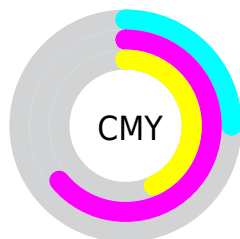
- Red (75%)
- Green (36%)
- Blue (57%)



- Red (75%)
- Yellow (36%)
- Blue (57%)



- Cyan (0%)
- Magenta (52%)
- Yellow (24%)
- Black (25%)




- Cyan (25%)
- Magenta (64%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7750, 0.3784, 0.2584 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 20.7750, 0.3784, 0.2584 by changing the saturation by 10% instead.


 20.7750, 0.3784,
0.2584


 20.7750, 0.3784,
0.2584


256.0803, 0.3423,
0.2964


 12.9596, 0.3887,
0.2480


 44.7128, 0.3644,
0.2729


 7.4008, 0.4027,
0.2341


 61.6040, 0.3594,
0.2781

 3.7140, 0.4229,
0.2146

 82.2892, 0.3553,
0.2824

 1.5149, 0.4543,
0.1855

 107.1529, 0.3518,
0.2861

 0.2992, 0.5302,
0.1030

136.5795, 0.3489,
0.2892

 0.0000, 1.0000,
0.0000

170.9533, 0.3464,

 0.0000, 0.0000,

0.2919

0.0000

210.6588, 0.3442,
0.2943

■ 20.7750, 0.3784,
0.2584

■ 20.7750, 0.3784,
0.2584

■ 17.6102, 0.3978,
0.2474

■ 24.7972, 0.3612,
0.2714

■ 15.2354, 0.4190,
0.2396

■ 29.7316, 0.3463,
0.2854

■ 13.5779, 0.4412,
0.2362

■ 35.6318, 0.3337,
0.2995

■ 12.5499, 0.4635,
0.2379

■ 42.5464, 0.3230,
0.3134

■ 12.0399, 0.4813,
0.2425

■ 50.5209, 0.3142,
0.3267

■ 59.5978, 0.3068,
0.3391

■ 69.8173, 0.3007,
0.3506

■ 81.2176, 0.2957,
0.3613

■ 88.0234, 0.2911,
0.3619

Harmonies

Analogous

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



20.7750, 0.2903, 0.2195



20.7750, 0.3784, 0.2584



20.7750, 0.4536, 0.3122

Triad

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



20.7750, 0.3784, 0.2584



20.7750, 0.3953, 0.4801



20.7750, 0.1678, 0.2489

Complementary

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



20.7750, 0.3784, 0.2584



41.3676, 0.2775, 0.4155

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.



20.7750, 0.1872, 0.3230



20.7750, 0.3784, 0.2584



20.7750, 0.3155, 0.4812

Square

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



20.7750, 0.3784, 0.2584



20.7750, 0.4578, 0.4337



20.7750, 0.2392, 0.4172



20.7750, 0.1791, 0.2100

Rectangle

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



20.7750, 0.3784, 0.2584



20.7750, 0.4791, 0.3523



20.7750, 0.2392, 0.4172



20.7750, 0.1707, 0.2697

Sweetspot

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



20.7760, 0.3784, 0.2584



70.4948, 0.3275, 0.3073



16.6978, 0.2567, 0.1826



14.9175, 0.3297, 0.3044



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.



20.7760, 0.3784, 0.2584



30.9813, 0.4002, 0.2463



19.5935, 0.4525, 0.3228



9.6195, 0.3207, 0.3168



7.9298, 0.4786, 0.2410



0.3237, 0.4310, 0.2148

Inverse Universe

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



20.7760, 0.3784, 0.2584



30.9813, 0.4002, 0.2463



43.0800, 0.2491, 0.3363



9.6195, 0.3207, 0.3168



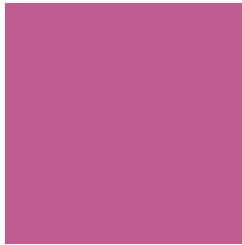
7.9298, 0.4786, 0.2410



0.3237, 0.4310, 0.2148

Previews

White Background



This preview shows how the Yxy color 20.7750, 0.3784, 0.2584 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 20.7750, 0.3784, 0.2584 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 20.7750, 0.3784, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 20.7750, 0.3784, 0.2584.



This preview shows how white text looks on a background with the Yxy color 20.7750, 0.3784, 0.2584.

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

20.7750, 0.3784, 0.2584

Protanopia

21.1392, 0.2599, 0.2559

Deuteranopia

20.9649, 0.3046, 0.2994



Tritanopia

20.7407, 0.4269, 0.3196

Trichromacy



Original Color

20.7750, 0.3784, 0.2584

Protanomaly

20.1880, 0.2959, 0.2534

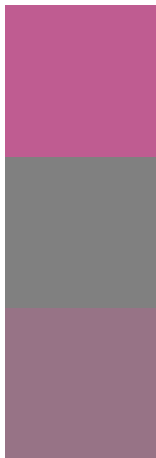
Deuteranomaly

20.3136, 0.3290, 0.2806

Tritanomaly

20.6212, 0.4087, 0.2960

Monochromacy



Original Color

20.7750, 0.3784, 0.2584

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.5620, 0.3359, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7750, 0.3784, 0.2584 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, 92, 145)` looks like.

```
.text, #text, p{  
    color:rgb(191, 92, 145)  
}
```

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, 92, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 92, 145) }
```

Border

The CSS property to change the border of an element to Yxy 20.7750, 0.3784, 0.2584 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, 92, 145) }
```

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

```
.border{ border-color:rgb(191, 92, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 92, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 92, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 92, 145);  
box-shadow:4px 4px 4px 4px rgb(191, 92,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7750, 0.3784, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 92, 145) }
```

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

```
.background{ background-color: rgb(191, 92,  
145) }
```

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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