

Converting Colors

$Y_{xy}(17.1720, 0.4048, 0.2578)$

Have a look what the booklet for
Yxy(17.1720, 0.4048, 0.2578)
contains.

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Color

Yxy(17.1555, 0.4054, 0.2585)

Conversions

Conversions Part 1

Format	Color
Hex	BB4B80
RGB	187, 75, 128
RGB Percent	73%, 29%, 50%
CMY	0.2667, 0.7058, 0.4982
CMYK	0.00, 0.60, 0.32, 0.27
HSL	332°, 45%, 51%
HSV	332°, 60%, 73%
XYZ	26.9046, 17.1555, 22.3055
YIQ	114.5300, 49.7390, 40.2270

Conversions

Conversions Part 2

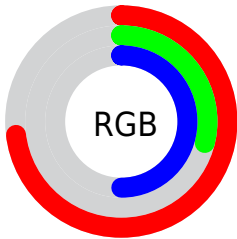
Format	Color
RYB	187, 75, 128
Decimal	12274560
CIELab	48.46, 50.47, -6.77
CIElCh	48, 50.924, 352.360
Yxy	17.1555, 0.4054, 0.2585
Android (android.graphics.Color)	4290464640 (0xFFBB4B80)
YUV	114.5300, 6.6407, 63.5562
Hunter-Lab	41.4192, 43.4644, -2.9360

Details

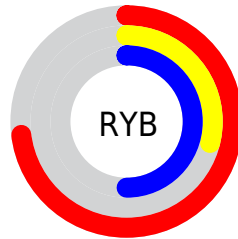
The Yxy color **17.1555, 0.4054, 0.2585** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **38.7599, 0.2701, 0.4191**, and the grayscale version is **16.9641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6295, 0.3840, 0.2737**, and **5.6244, 0.4431, 0.2313** is the 20% darker color. If you saturate the color by 10%, you get **14.7343, 0.4298, 0.2513**, and if you desaturate by 10%, it is **20.3491, 0.3833, 0.2686**.

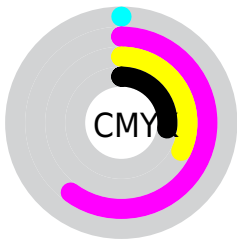
Distribution



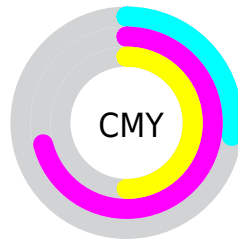
- Red (73%)
- Green (29%)
- Blue (50%)



- Red (73%)
- Yellow (29%)
- Blue (50%)



- Cyan (0%)
- Magenta (60%)
- Yellow (32%)
- Black (27%)





- Cyan (27%)
- Magenta (71%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1555, 0.4054, 0.2585 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 17.1555, 0.4054, 0.2585 by changing the saturation by 10% instead.


 17.1555, 0.4054,
0.2585


 17.1555, 0.4054,
0.2585


236.0669, 0.3525,
0.2978


 10.3454, 0.4213,
0.2471


 38.5929, 0.3843,
0.2739


 5.6286, 0.4437,
0.2315


 53.9891, 0.3770,
0.2793

 2.6206, 0.4771,
0.2087


 73.0161, 0.3710,
0.2838

 0.9370, 0.5322,
0.1731

 96.0582, 0.3660,
0.2875

 0.0000, 0.7916,
0.0000

 123.5000, 0.3619,
0.2907

 0.0000, 1.0000,
0.0000

155.7258, 0.3583,

 0.0000, 0.0000,

0.2934

0.0000

193.1199, 0.3552,
0.2958

■ 17.1555, 0.4054,
0.2585

■ 17.1555, 0.4054,
0.2585

■ 14.7343, 0.4298,
0.2513

■ 20.3491, 0.3833,
0.2686

■ 13.0146, 0.4558,
0.2483

■ 24.3724, 0.3641,
0.2803

■ 11.9171, 0.4820,
0.2503

■ 29.2804, 0.3476,
0.2928

■ 11.2832, 0.5073,
0.2569

■ 35.1224, 0.3337,
0.3054

■ 11.2768, 0.5076,
0.2570

■ 41.9441, 0.3222,
0.3176

■ 49.7882, 0.3126,
0.3291

■ 58.6950, 0.3047,
0.3399

■ 68.7024, 0.2982,
0.3499

■ 79.8464, 0.2928,
0.3591

Harmonies

Analogous

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



17.1555, 0.3030, 0.2123



17.1555, 0.4054, 0.2585



17.1555, 0.4852, 0.3192

Triad

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



17.1555, 0.4054, 0.2585



17.1555, 0.3877, 0.5067



17.1555, 0.1505, 0.2261

Complementary

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



17.1555, 0.4054, 0.2585



38.7599, 0.2701, 0.4191

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.



17.1555, 0.1646, 0.3023



17.1555, 0.4054, 0.2585



17.1555, 0.2968, 0.4999

Square

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



17.1555, 0.4054, 0.2585



17.1555, 0.4647, 0.4548



17.1555, 0.2150, 0.4128



17.1555, 0.1687, 0.1912

Rectangle

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



17.1555, 0.4054, 0.2585



17.1555, 0.5058, 0.3635



17.1555, 0.2150, 0.4128



17.1555, 0.1515, 0.2466

Sweetspot

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



17.1564, 0.4054, 0.2585



64.7337, 0.3317, 0.3074



13.5977, 0.2539, 0.1633



13.5237, 0.3354, 0.3037



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



17.1564, 0.4054, 0.2585



25.2474, 0.4382, 0.2498



16.3637, 0.4951, 0.3319



9.6095, 0.3216, 0.3182



7.7841, 0.5048, 0.2554



0.3181, 0.4495, 0.2250

Inverse Universe

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



17.1564, 0.4054, 0.2585



25.2474, 0.4382, 0.2498



39.8386, 0.2393, 0.3259



9.6095, 0.3216, 0.3182



7.7841, 0.5048, 0.2554



0.3181, 0.4495, 0.2250

Previews

White Background



This preview shows how the Yxy color 17.1555, 0.4054, 0.2585 looks on a white background.

Color Contrast Check

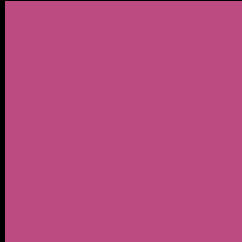
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.1555, 0.4054, 0.2585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

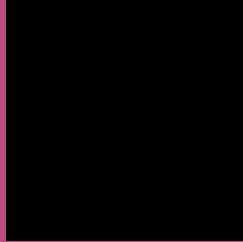
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1555, 0.4054, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 17.1555, 0.4054, 0.2585.



This preview shows how white text looks on a background with the Yxy color 17.1555, 0.4054, 0.2585.

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

17.1555, 0.4054, 0.2585

Protanopia

17.3710, 0.2598, 0.2553

Deuteranopia

17.2786, 0.3162, 0.3101



Tritanopia

17.0981, 0.4635, 0.3213

Trichromacy



Original Color

17.1555, 0.4054, 0.2585

Protanomaly

16.3096, 0.3031, 0.2514

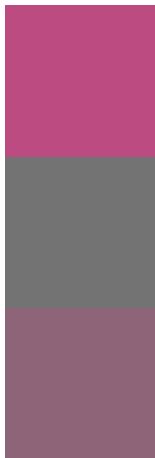
Deuteranomaly

16.5820, 0.3476, 0.2863

Tritanomaly

17.0309, 0.4432, 0.2981

Monochromacy



Original Color

17.1555, 0.4054, 0.2585

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.1331, 0.3445, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1555, 0.4054, 0.2585 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(187, 75, 128)` looks like.

```
.text, #text, p{  
    color:rgb(187, 75, 128)  
}
```

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(187, 75, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 75, 128) }
```

Border

The CSS property to change the border of an element to Yxy 17.1555, 0.4054, 0.2585 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(187, 75, 128) }
```

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

```
.border{ border-color:rgb(187, 75, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 75, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 75, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 75, 128);  
box-shadow:4px 4px 4px 4px rgb(187, 75,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1555, 0.4054, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 75, 128) }
```

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

```
.background{ background-color: rgb(187, 75,  
128) }
```

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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