

Converting Colors

$Y_{xy}(17.4521, 0.3386, 0.2101)$

Have a look what the booklet for
Yxy(17.4521, 0.3386, 0.2101)
contains.

Yxy(17.4521, 0.3386, 0.2101)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.4521, 0.3386, 0.2101)

Conversions

Conversions Part 1

Format	Color
Hex	B44BA5
RGB	180, 75, 165
RGB Percent	71%, 29%, 65%
CMY	0.2942, 0.7058, 0.3529
CMYK	0.00, 0.58, 0.08, 0.29
HSL	309°, 41%, 50%
HSV	309°, 58%, 71%
XYZ	28.1260, 17.4521, 37.4875
YIQ	116.6550, 33.6900, 50.2500

Conversions

Conversions Part 2

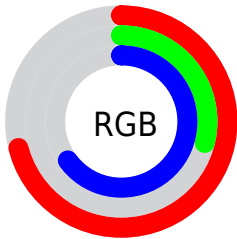
Format	Color
R_{YB}	180, 75, 165
Decimal	11815845
CIE _{Lab}	48.82, 53.77, -28.41
CIE _{LCh}	49, 60.817, 332.153
Yxy	17.4521, 0.3386, 0.2101
Android (android.graphics.Color)	4290005925 (0xFFB44BA5)
YUV	116.6550, 23.8341, 55.5536
Hunter-Lab	41.7757, 47.0700, -23.9610

Details

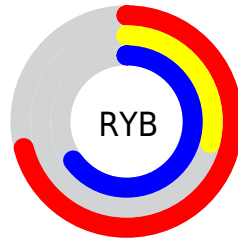
The Yxy color **17.4521, 0.3386, 0.2101** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.8671, 0.2958, 0.4895**, and the grayscale version is **17.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0450, 0.3348, 0.2333**, and **5.7652, 0.3431, 0.1729** is the 20% darker color. If you saturate the color by 10%, you get **15.2538, 0.3441, 0.1955**, and if you desaturate by 10%, it is **20.3445, 0.3333, 0.2278**.

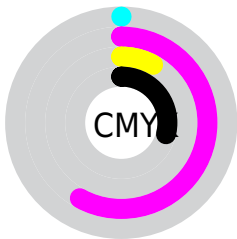
Distribution



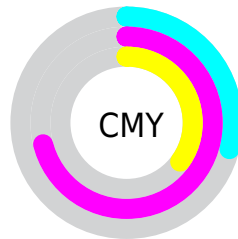
- Red (71%)
- Green (29%)
- Blue (65%)



- Red (71%)
- Yellow (29%)
- Blue (65%)



- Cyan (0%)
- Magenta (58%)
- Yellow (8%)
- Black (29%)





- Cyan (29%)
- Magenta (71%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4521, 0.3386, 0.2101 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 17.4521, 0.3386, 0.2101 by changing the saturation by 10% instead.


 17.4521, 0.3386,
0.2101


 17.4521, 0.3386,
0.2101


237.7644, 0.3264,
0.2722


 10.5574, 0.3412,
0.1940


 39.1015, 0.3345,
0.2331


 5.7700, 0.3441,
0.1733


 54.6249, 0.3328,
0.2417


 2.7058, 0.3470,
0.1457


 73.7933, 0.3314,
0.2488

 0.9801, 0.3490,
0.1082

 96.9911, 0.3301,
0.2549

 0.0000, 0.3667,
0.0000

 124.6028, 0.3290,
0.2601

 0.0000, 0.1763,
0.0000

157.0126, 0.3281,

 0.0000, 0.0000,

0.2647

0.0000

194.6050, 0.3272,
0.2687

■ 17.4521, 0.3386,
0.2101

■ 17.4521, 0.3386,
0.2101

■ 15.2538, 0.3441,
0.1955

■ 20.3445, 0.3333,
0.2278

■ 13.6871, 0.3495,
0.1849

■ 23.9814, 0.3282,
0.2477

■ 12.6827, 0.3547,
0.1785

■ 28.4116, 0.3235,
0.2689

■ 12.1241, 0.3596,
0.1762

■ 33.6787, 0.3193,
0.2905

■ 12.0437, 0.3605,
0.1759

■ 39.8234, 0.3155,
0.3118

■ 46.8837, 0.3122,
0.3324

■ 54.8953, 0.3093,
0.3519

■ 63.8921, 0.3069,
0.3702

■ 73.9060, 0.3048,
0.3871

Harmonies

Analogous

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



17.4521, 0.2311, 0.1750



17.4521, 0.3386, 0.2101



17.4521, 0.4588, 0.2675

Triad

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



17.4521, 0.3386, 0.2101



17.4521, 0.4567, 0.4924



17.4521, 0.1340, 0.2597

Complementary

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



17.4521, 0.3386, 0.2101



34.8671, 0.2958, 0.4895

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.



17.4521, 0.1743, 0.3828



17.4521, 0.3386, 0.2101



17.4521, 0.3594, 0.5471

Square

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



17.4521, 0.3386, 0.2101



17.4521, 0.5245, 0.4127



17.4521, 0.2564, 0.5122



17.4521, 0.1318, 0.1913

Rectangle

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



17.4521, 0.3386, 0.2101



17.4521, 0.5160, 0.3129



17.4521, 0.2564, 0.5122



17.4521, 0.1427, 0.2950

Sweetspot

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



17.4529, 0.3386, 0.2101



62.1504, 0.3189, 0.2927



10.4548, 0.2133, 0.1499



12.9936, 0.3196, 0.2884



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



17.4529, 0.3386, 0.2101



26.7345, 0.3456, 0.1920



15.9397, 0.4208, 0.2755



8.6255, 0.3159, 0.3097



8.4160, 0.3599, 0.1756



0.2705, 0.3475, 0.1688

Inverse Universe

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



17.4529, 0.3386, 0.2101



26.7345, 0.3456, 0.1920



36.0669, 0.2638, 0.3954



8.6255, 0.3159, 0.3097



8.4160, 0.3599, 0.1756



0.2705, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 17.4521, 0.3386, 0.2101 looks on a white background.

Color Contrast Check

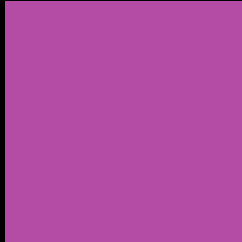
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4521, 0.3386, 0.2101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

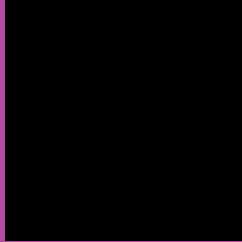
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4521, 0.3386, 0.2101

Background



This preview shows how black text looks on a background with the Yxy color 17.4521, 0.3386, 0.2101.



This preview shows how white text looks on a background with the Yxy color 17.4521, 0.3386, 0.2101.

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

17.4521, 0.3386, 0.2101

Protanopia

17.8612, 0.2101, 0.1914

Deuteranopia

17.6731, 0.2555, 0.2507



Tritanopia

17.4394, 0.4262, 0.3189

Trichromacy



Original Color

17.4521, 0.3386, 0.2101

Protanomaly

16.4414, 0.2421, 0.1918

Deuteranomaly

16.5931, 0.2811, 0.2275

Tritanomaly

17.3157, 0.3944, 0.2753

Monochromacy



Original Color

17.4521, 0.3386, 0.2101

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.7994, 0.3235, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4521, 0.3386, 0.2101 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(180, 75, 165)` looks like.

```
.text, #text, p{  
    color:rgb(180, 75, 165)  
}
```

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(180, 75, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 75, 165) }
```

Border

The CSS property to change the border of an element to Yxy 17.4521, 0.3386, 0.2101 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(180, 75, 165) }
```

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

```
.border{ border-color:rgb(180, 75, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 75, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 75, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 75, 165);  
box-shadow:4px 4px 4px 4px rgb(180, 75,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4521, 0.3386, 0.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 75, 165) }
```

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

```
.background{ background-color: rgb(180, 75,  
165) }
```

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