

Converting Colors

$Y_{xy}(17.7589, 0.2967, 0.1935)$

Have a look what the booklet for
Yxy(17.7589, 0.2967, 0.1935)
contains.

Yxy(17.7589, 0.2967, 0.1935)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7589, 0.2967, 0.1935)

Conversions

Conversions Part 1

Format	Color
Hex	A554B7
RGB	165, 84, 183
RGB Percent	65%, 33%, 72%
CMY	0.3530, 0.6705, 0.2824
CMYK	0.10, 0.54, 0.00, 0.28
HSL	289°, 41%, 52%
HSV	289°, 54%, 72%
XYZ	27.2303, 17.7589, 46.7880
YIQ	119.5050, 16.4970, 47.9610

Conversions

Conversions Part 2

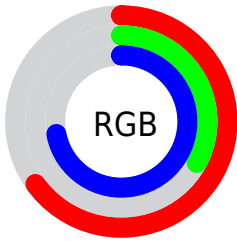
Format	Color
R _Y B	165, 84, 183
Decimal	10835127
CIE Lab	49.20, 48.57, -38.50
CIE LCh	49, 61.982, 321.594
Yxy	17.7589, 0.2967, 0.1935
Android (android.graphics.Color)	4289025207 (0xFFA554B7)
YUV	119.5050, 31.3030, 39.8991
Hunter-Lab	42.1413, 41.5935, -36.3287

Details

The Yxy color **17.7589, 0.2967, 0.1935** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **37.3313, 0.3173, 0.4933**, and the grayscale version is **18.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6529, 0.3024, 0.2194**, and **5.8799, 0.2857, 0.1544** is the 20% darker color. If you saturate the color by 10%, you get **14.9272, 0.2923, 0.1724**, and if you desaturate by 10%, it is **21.3434, 0.3007, 0.2172**.

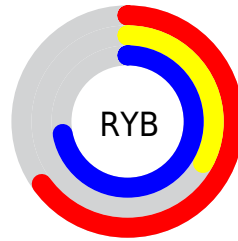
Distribution



Red (65%)

Green (33%)

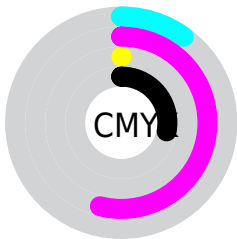
Blue (72%)



Red (65%)

Yellow (33%)

Blue (72%)

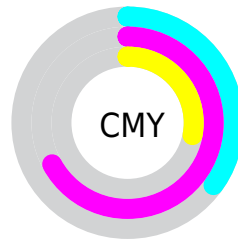


Cyan (10%)

Magenta (54%)

Yellow (0%)

Black (28%)



Cyan (35%)


Magenta (67%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7589, 0.2967, 0.1935 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 17.7589, 0.2967, 0.1935 by changing the saturation by 10% instead.


 17.7589, 0.2967,
0.1935


 17.7589, 0.2967,
0.1935


239.5086, 0.3084,
0.2630


 10.7770, 0.2923,
0.1762


 39.6261, 0.3020,
0.2189


 5.9171, 0.2858,
0.1542


 55.2802, 0.3036,
0.2284

 2.7947, 0.2754,
0.1259


 74.5938, 0.3049,
0.2364

 1.0255, 0.2575,
0.0894

 97.9513, 0.3060,
0.2433

 0.0000, 0.2344,
0.0000

 125.7372, 0.3068,
0.2492

 0.0000, 0.0329,
0.0000

158.3357, 0.3074,

 0.0000, 0.0000,

0.2544

0.0000

196.1314, 0.3080,
0.2589

■ 17.7589, 0.2967,
0.1935

■ 17.7589, 0.2967,
0.1935

■ 14.9272, 0.2923,
0.1724

■ 21.3434, 0.3007,
0.2172

■ 12.7869, 0.2876,
0.1549

■ 25.7313, 0.3043,
0.2426

■ 11.2705, 0.2829,
0.1417

■ 30.9712, 0.3073,
0.2686

■ 10.2960, 0.2781,
0.1329

■ 37.1075, 0.3099,
0.2943

■ 9.8727, 0.2753,
0.1290

■ 44.1812, 0.3120,
0.3192

■ 52.2308, 0.3137,
0.3428

■ 61.2929, 0.3150,
0.3647

■ 71.4018, 0.3159,
0.3849

■ 82.5905, 0.3166,
0.4034

Harmonies

Analogous

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



17.7589, 0.2012, 0.1675



17.7589, 0.2967, 0.1935



17.7589, 0.4199, 0.2444

Triad

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



17.7589, 0.2967, 0.1935



17.7589, 0.4868, 0.4656



17.7589, 0.1416, 0.2965

Complementary

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



17.7589, 0.2967, 0.1935



37.3313, 0.3173, 0.4933

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.



17.7589, 0.1975, 0.4347



17.7589, 0.2967, 0.1935



17.7589, 0.3957, 0.5367

Square

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



17.7589, 0.2967, 0.1935



17.7589, 0.5381, 0.3851



17.7589, 0.2912, 0.5413



17.7589, 0.1270, 0.2080

Rectangle

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



17.7589, 0.2967, 0.1935



17.7589, 0.4919, 0.2878



17.7589, 0.2912, 0.5413



17.7589, 0.1552, 0.3389

Sweetspot

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



17.7597, 0.2967, 0.1935



63.9282, 0.3094, 0.2888



14.8400, 0.2160, 0.1889



13.6092, 0.3089, 0.2835



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



17.7597, 0.2967, 0.1935



25.8788, 0.2914, 0.1686



18.6661, 0.3602, 0.2373



9.0779, 0.3109, 0.3063



6.9153, 0.2758, 0.1293



0.2656, 0.2882, 0.1361

Inverse Universe

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



17.3705, 0.4397, 0.3043



25.3663, 0.4868, 0.3016



36.9959, 0.2859, 0.4462



9.0382, 0.3260, 0.3249



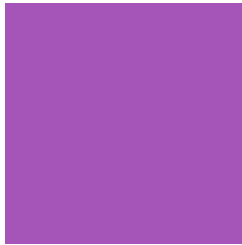
7.1085, 0.6094, 0.3131



0.2588, 0.5425, 0.2762

Previews

White Background



This preview shows how the Yxy color 17.7589, 0.2967, 0.1935 looks on a white background.

Color Contrast Check

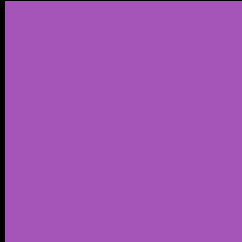
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7589, 0.2967, 0.1935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

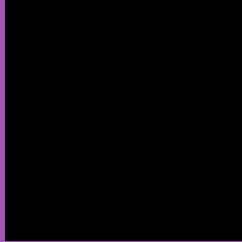
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7589, 0.2967, 0.1935

Background



This preview shows how black text looks on a background with the Yxy color 17.7589, 0.2967, 0.1935.



This preview shows how white text looks on a background with the Yxy color 17.7589, 0.2967, 0.1935.

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

17.7589, 0.2967, 0.1935

Protanopia

18.0774, 0.1988, 0.1764

Deuteranopia

18.0208, 0.2287, 0.2237



Tritanopia

17.7948, 0.3779, 0.3175

Trichromacy



Original Color

17.7589, 0.2967, 0.1935



Protanomaly

16.9208, 0.2221, 0.1771



Deuteranomaly

17.1397, 0.2487, 0.2077



Tritanomaly

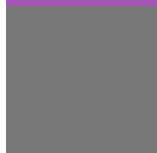
17.5428, 0.3464, 0.2643

Monochromacy



Original Color

17.7589, 0.2967, 0.1935



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.7328, 0.3066, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7589, 0.2967, 0.1935 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(165, 84, 183)` looks like.

```
.text, #text, p{  
  color:rgb(165, 84, 183)  
}
```

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(165, 84, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 84, 183) }
```

Border

The CSS property to change the border of an element to Yxy 17.7589, 0.2967, 0.1935 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(165, 84, 183) }
```

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

```
.border{ border-color:rgb(165, 84, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 84, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 84, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 84, 183);  
box-shadow:4px 4px 4px 4px rgb(165, 84,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7589, 0.2967, 0.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 84, 183) }
```

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

```
.background{ background-color: rgb(165, 84,  
183) }
```

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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