

Converting Colors

$Y_{xy}(14.5849, 0.2932, 0.2006)$

Have a look what the booklet for
Yxy(14.5849, 0.2932, 0.2006)
contains.

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Color

Yxy(14.5849, 0.2932, 0.2006)

Conversions

Conversions Part 1

Format	Color
Hex	9151A4
RGB	145, 81, 164
RGB Percent	57%, 32%, 64%
CMY	0.4314, 0.6823, 0.3569
CMYK	0.12, 0.51, 0.00, 0.36
HSL	286°, 34%, 48%
HSV	286°, 51%, 64%
XYZ	21.3175, 14.5849, 36.8040
YIQ	109.5980, 11.5010, 39.3810

Conversions

Conversions Part 2

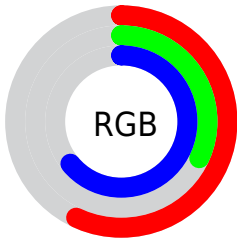
Format	Color
RYB	145, 81, 164
Decimal	9523620
CIELab	45.06, 40.60, -34.04
CIELCh	45, 52.980, 320.018
Yxy	14.5849, 0.2932, 0.2006
Android (android.graphics.Color)	4287713700 (0xFF9151A4)
YUV	109.5980, 26.8202, 31.0476
Hunter-Lab	38.1902, 32.8047, -30.4048

Details

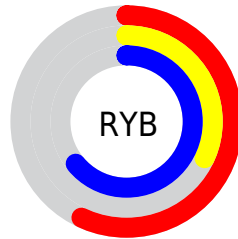
The Yxy color **14.5849, 0.2932, 0.2006** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **29.8476, 0.3210, 0.4787**, and the grayscale version is **15.3923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3070, 0.3001, 0.2275**, and **4.4251, 0.2793, 0.1579** is the 20% darker color. If you saturate the color by 10%, you get **12.0999, 0.2877, 0.1777**, and if you desaturate by 10%, it is **17.6709, 0.2982, 0.2256**.

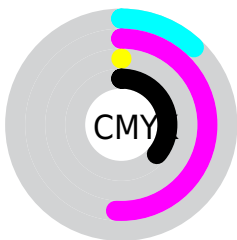
Distribution



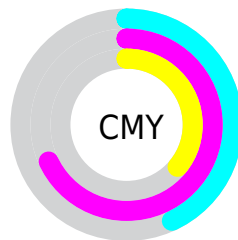
- Red (57%)
- Green (32%)
- Blue (64%)



- Red (57%)
- Yellow (32%)
- Blue (64%)



- Cyan (12%)
- Magenta (51%)
- Yellow (0%)
- Black (36%)




- Cyan (43%)
- Magenta (68%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5849, 0.2932, 0.2006 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 14.5849, 0.2932, 0.2006 by changing the saturation by 10% instead.


 14.5849, 0.2932,
0.2006


 14.5849, 0.2932,
0.2006


220.8398, 0.3069,
0.2693


 8.5286, 0.2881,
0.1824


 34.1233, 0.2993,
0.2265


 4.4350, 0.2802,
0.1587


 48.3742, 0.3013,
0.2359


 1.9197, 0.2674,
0.1271

 66.1254, 0.3027,
0.2438

 0.5602, 0.2455,
0.0798

 87.7613, 0.3039,
0.2505

 0.0000, 0.1877,
0.0000

 113.6663, 0.3049,
0.2562

 0.0000, 0.0000,
0.0000

144.2248, 0.3057,

0.2611

179.8211, 0.3063,
0.2655

■ 14.5849, 0.2932,
0.2006

■ 14.5849, 0.2932,
0.2006

■ 12.0999, 0.2877,
0.1777

■ 17.6709, 0.2982,
0.2256

■ 10.1709, 0.2818,
0.1578

■ 21.3949, 0.3027,
0.2517

■ 8.7493, 0.2757,
0.1419

■ 25.7932, 0.3066,
0.2778

■ 7.7775, 0.2697,
0.1304

■ 30.8987, 0.3099,
0.3033

■ 7.1495, 0.2641,
0.1228

■ 36.7421, 0.3126,
0.3276

■ 43.3524, 0.3148,
0.3504

■ 50.7569, 0.3165,
0.3715

■ 58.9816, 0.3179,
0.3908

■ 68.0513, 0.3189,
0.4084

Harmonies

Analogous

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



14.5849, 0.2058, 0.1773



14.5849, 0.2932, 0.2006



14.5849, 0.4053, 0.2479

Triad

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



14.5849, 0.2932, 0.2006



14.5849, 0.4803, 0.4560



14.5849, 0.1554, 0.3067

Complementary

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



14.5849, 0.2932, 0.2006



29.8476, 0.3210, 0.4787

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.



14.5849, 0.2113, 0.4314



14.5849, 0.2932, 0.2006



14.5849, 0.3982, 0.5190

Square

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



14.5849, 0.2932, 0.2006



14.5849, 0.5222, 0.3815



14.5849, 0.3007, 0.5229



14.5849, 0.1387, 0.2210

Rectangle

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



14.5849, 0.2932, 0.2006



14.5849, 0.4723, 0.2888



14.5849, 0.3007, 0.5229



14.5849, 0.1695, 0.3460

Sweetspot

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



14.5855, 0.2932, 0.2006



51.5931, 0.3084, 0.2915



13.6156, 0.2250, 0.2086



10.8790, 0.3077, 0.2863



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



14.5855, 0.2932, 0.2006



21.3612, 0.2868, 0.1743



15.7260, 0.3493, 0.2376



7.1201, 0.3103, 0.3066



5.5053, 0.2646, 0.1231



0.1347, 0.2863, 0.1351

Inverse Universe

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



14.6975, 0.4189, 0.2996



21.7977, 0.4591, 0.2950



29.2758, 0.2901, 0.4442



7.1113, 0.3251, 0.3239



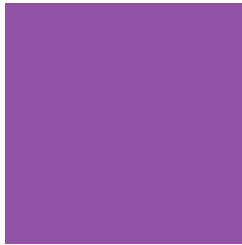
6.1629, 0.5951, 0.3052



0.1361, 0.5033, 0.2546

Previews

White Background



This preview shows how the Yxy color 14.5849, 0.2932, 0.2006 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 14.5849, 0.2932, 0.2006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

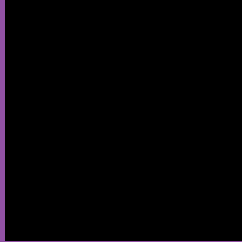
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5849, 0.2932, 0.2006

Background



This preview shows how black text looks on a background with the Yxy color 14.5849, 0.2932, 0.2006.



This preview shows how white text looks on a background with the Yxy color 14.5849, 0.2932, 0.2006.

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

14.5849, 0.2932, 0.2006

Protanopia

14.7430, 0.2066, 0.1868

Deuteranopia

14.6961, 0.2332, 0.2275



Tritanopia

14.5793, 0.3639, 0.3161

Trichromacy



Original Color

14.5849, 0.2932, 0.2006

Protanomaly

14.1367, 0.2296, 0.1892

Deuteranomaly

14.1868, 0.2507, 0.2136

Tritanomaly

14.4518, 0.3364, 0.2687

Monochromacy



Original Color

14.5849, 0.2932, 0.2006

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

14.7463, 0.3057, 0.2706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5849, 0.2932, 0.2006 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(145, 81, 164)` looks like.

```
.text, #text, p{  
    color:rgb(145, 81, 164)  
}
```

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(145, 81, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 81, 164) }
```

Border

The CSS property to change the border of an element to Yxy 14.5849, 0.2932, 0.2006 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(145, 81, 164) }
```

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

```
.border{ border-color:rgb(145, 81, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 81, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 81, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 81, 164);  
box-shadow:4px 4px 4px 4px rgb(145, 81,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5849, 0.2932, 0.2006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 81, 164) }
```

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

```
.background{ background-color: rgb(145, 81,  
164) }
```

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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