

Converting Colors

$Y_{xy}(28.7668, 0.3187, 0.2013)$

Have a look what the booklet for
Yxy(28.7668, 0.3187, 0.2013)
contains.

Yxy(28.8758, 0.3187, 0.2014)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.8758, 0.3187, 0.2014)

Conversions

Conversions Part 1

Format	Color
Hex	D964D9
RGB	217, 100, 217
RGB Percent	85%, 39%, 85%
CMY	0.1491, 0.6078, 0.1490
CMYK	0.00, 0.54, 0.00, 0.15
HSL	300°, 61%, 62%
HSV	300°, 54%, 85%
XYZ	45.6937, 28.8758, 68.8058
YIQ	148.3210, 32.1750, 61.1910

Conversions

Conversions Part 2

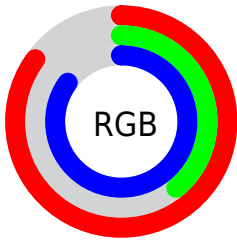
Format	Color
R _Y B	217, 100, 217
Decimal	14247129
CIE Lab	60.67, 61.21, -39.43
CIE LCh	61, 72.811, 327.208
Yxy	28.8758, 0.3187, 0.2014
Android (android.graphics.Color)	4292437209 (0xFFD964D9)
YUV	148.3210, 33.8587, 60.2315
Hunter-Lab	53.7362, 57.7463, -38.3018

Details

The Yxy color **28.8758, 0.3187, 0.2014** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **53.2529, 0.3046, 0.5012**, and the grayscale version is **29.6032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **11.6355, 0.3157, 0.1697** is the 20% darker color. If you saturate the color by 10%, you get **25.2535, 0.3195, 0.1839**, and if you desaturate by 10%, it is **33.6090, 0.3177, 0.2222**.

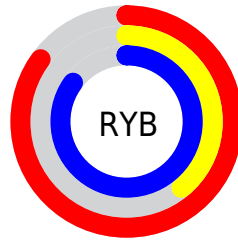
Distribution



Red (85%)

Green (39%)

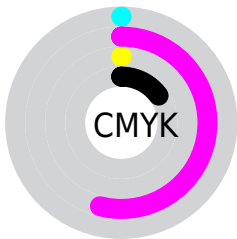
Blue (85%)



Red (85%)

Yellow (39%)

Blue (85%)

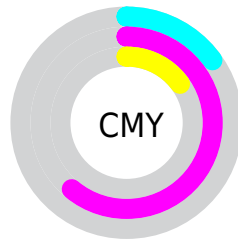


Cyan (0%)

Magenta (54%)

Yellow (0%)

Black (15%)



Cyan (15%)


Magenta (61%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8758, 0.3187, 0.2014 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 28.8758, 0.3187, 0.2014 by changing the saturation by 10% instead.

 28.8758, 0.3187,
0.2014


 28.8758, 0.3187,
0.2014


296.6285, 0.3183,
0.2620

 18.9869, 0.3180,
0.1875


 57.8797, 0.3191,
0.2226


 11.6608, 0.3167,
0.1704


 77.7635, 0.3191,
0.2308

 6.5132, 0.3142,
0.1490


 101.7477, 0.3191,
0.2378

 3.1595, 0.3095,
0.1220

 130.2166, 0.3189,
0.2440

 1.2156, 0.3001,
0.0877

163.5548, 0.3188,
0.2493

 0.0744, 0.2899,
0.0120

202.1466, 0.3186,


 0.0000, 0.2218,

0.2541

0.0000


246.3764, 0.3185,
0.2583


 0.0000, 0.0000,
0.0000


 28.8758, 0.3187,
0.2014


 28.8758, 0.3187,
0.2014


 25.2535, 0.3195,
0.1839


 33.6090, 0.3177,
0.2222

 22.6481, 0.3202,
0.1703

 39.5294, 0.3166,
0.2453


 20.9568, 0.3206,
0.1610

 46.7112, 0.3155,
0.2698

 20.0529, 0.3208,
0.1558

 55.2214, 0.3143,
0.2949

 19.7594, 0.3209,
0.1542

 65.1221, 0.3132,
0.3196

■ 76.4716, 0.3120,
0.3434

■ 89.3251, 0.3110,
0.3659

■ 91.2802, 0.3108,
0.3690

■ 91.2803, 0.3108,
0.3690

Harmonies

Analogous

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



28.8758, 0.2160, 0.1704



28.8758, 0.3187, 0.2014



28.8758, 0.4420, 0.2561

Triad

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



28.8758, 0.3187, 0.2014



28.8758, 0.4717, 0.4806



28.8758, 0.1361, 0.2755

Complementary

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



28.8758, 0.3187, 0.2014



53.2529, 0.3046, 0.5012

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.



28.8758, 0.1837, 0.4074



28.8758, 0.3187, 0.2014



28.8758, 0.3765, 0.5447

Square

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



28.8758, 0.3187, 0.2014



28.8758, 0.5328, 0.3998



28.8758, 0.2720, 0.5290



28.8758, 0.1283, 0.1977

Rectangle

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



28.8758, 0.3187, 0.2014



28.8758, 0.5071, 0.3008



28.8758, 0.2720, 0.5290



28.8758, 0.1471, 0.3144

Sweetspot

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



28.8771, 0.3187, 0.2014



76.6743, 0.3146, 0.2893



17.2156, 0.2095, 0.1601



15.8512, 0.3148, 0.2841



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



28.8771, 0.3187, 0.2014



35.6658, 0.3196, 0.1813



26.4220, 0.3861, 0.2579



13.2749, 0.3138, 0.3060



11.9622, 0.3209, 0.1542



0.7750, 0.3209, 0.1542

Inverse Universe

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



24.7885, 0.4715, 0.3295



29.1720, 0.5271, 0.3296



54.7516, 0.2752, 0.4172



13.0515, 0.3292, 0.3290



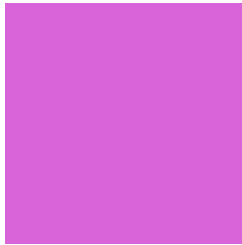
8.9299, 0.6401, 0.3300



0.5785, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 28.8758, 0.3187, 0.2014 looks on a white background.

Color Contrast Check

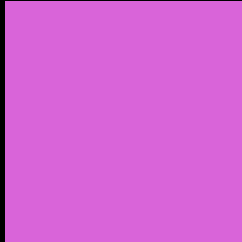
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8758, 0.3187, 0.2014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

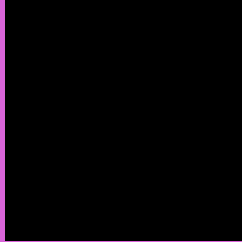
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8758, 0.3187, 0.2014

Background



This preview shows how black text looks on a background with the Yxy color 28.8758, 0.3187, 0.2014.

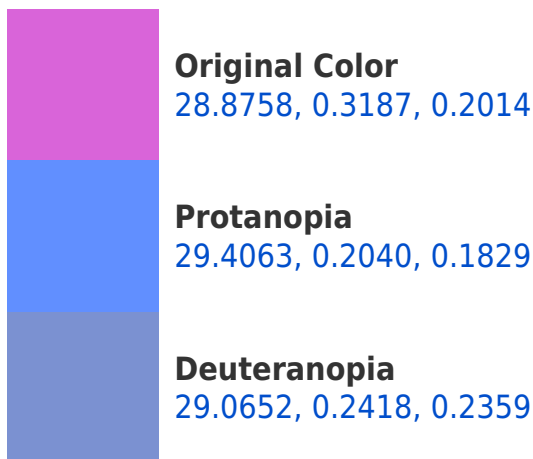


This preview shows how white text looks on a background with the Yxy color 28.8758, 0.3187, 0.2014.

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





Tritanopia

28.8232, 0.4056, 0.3178

Trichromacy



Original Color

28.8758, 0.3187, 0.2014



Protanomaly

27.1923, 0.2323, 0.1834



Deuteranomaly

27.6221, 0.2646, 0.2173



Tritanomaly

28.4921, 0.3735, 0.2701

Monochromacy



Original Color

28.8758, 0.3187, 0.2014



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.1340, 0.3155, 0.2698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8758, 0.3187, 0.2014 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(217, 100, 217)` looks like.

```
.text, #text, p{  
    color:rgb(217, 100, 217)  
}
```

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(217, 100, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 100, 217) }
```

Border

The CSS property to change the border of an element to Yxy 28.8758, 0.3187, 0.2014 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(217, 100, 217) }
```

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

```
.border{ border-color:rgb(217, 100, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 100, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 100, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 100, 217);  
box-shadow:4px 4px 4px 4px rgb(217, 100,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8758, 0.3187, 0.2014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 100, 217) }
```

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

```
.background{ background-color: rgb(217,  
100, 217) }
```

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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