

Converting Colors

$Y_{xy}(19.9264, 0.2981, 0.1506)$

Have a look what the booklet for
Yxy(19.9264, 0.2981, 0.1506)
contains.

Yxy(20.0013, 0.2984, 0.1509)	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(20.0013, 0.2984, 0.1509)

Conversions

Conversions Part 1

Format	Color
Hex	CD29E1
RGB	205, 41, 225
RGB Percent	80%, 16%, 88%
CMY	0.1962, 0.8389, 0.1177
CMYK	0.09, 0.82, 0.00, 0.12
HSL	293°, 75%, 52%
HSV	293°, 82%, 88%
XYZ	39.5519, 20.0013, 72.9935
YIQ	111.0120, 38.6800, 91.9920

Conversions

Conversions Part 2

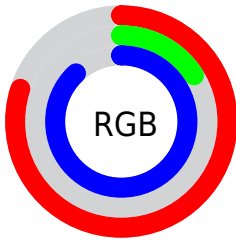
Format	Color
R_{YB}	205, 41, 225
Decimal	13445601
CIE _{Lab}	51.84, 80.88, -58.08
CIE _{LCh}	52, 99.573, 324.320
Yxy	20.0013, 0.2984, 0.1509
Android (android.graphics.Color)	4291635681 (0xFFCD29E1)
YUV	111.0120, 56.1961, 82.4275
Hunter-Lab	44.7228, 79.5968, -65.4631

Details

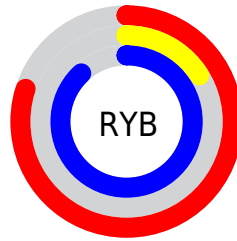
The Yxy color **20.0013, 0.2984, 0.1509** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **54.9937, 0.3065, 0.5763**, and the grayscale version is **15.7380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **8.9756, 0.2870, 0.1355** is the 20% darker color. If you saturate the color by 10%, you get **18.5170, 0.2956, 0.1429**, and if you desaturate by 10%, it is **22.3811, 0.3011, 0.1634**.

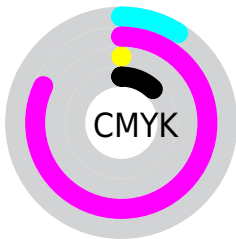
Distribution



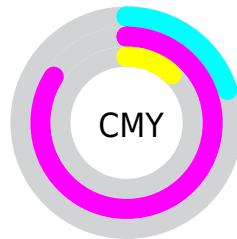
- Red (80%)
- Green (16%)
- Blue (88%)



- Red (80%)
- Yellow (16%)
- Blue (88%)



- Cyan (9%)
- Magenta (82%)
- Yellow (0%)
- Black (12%)





- Cyan (20%)
- Magenta (84%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0013, 0.2984, 0.1509 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 20.0013, 0.2984, 0.1509 by changing the saturation by 10% instead.


 20.0013, 0.2984,
0.1509


 20.0013, 0.2984,
0.1509


251.9222, 0.3113,
0.2338


 12.3960, 0.2935,
0.1329


 43.4194, 0.3044,
0.1791


 7.0140, 0.2865,
0.1117


 60.0009, 0.3062,
0.1903


 3.4708, 0.2758,
0.0867


 80.3433, 0.3077,
0.2000

 1.3822, 0.2591,
0.0581

 104.8310, 0.3088,
0.2085

 0.2036, 0.2346,
0.0160

 133.8483, 0.3096,
0.2160

 0.0000, 0.1867,
0.0000

167.7797, 0.3103,

 0.0000, 0.0282,

0.2226

0.0000

207.0095, 0.3109,
0.2285

■ 0.0000, 0.0000,
0.0000

■ 20.0013, 0.2984,
0.1509

■ 20.0013, 0.2984,
0.1509

■ 18.5170, 0.2956,
0.1429

■ 22.3811, 0.3011,
0.1634

■ 17.7838, 0.2933,
0.1389

■ 25.7859, 0.3036,
0.1801

■ 30.3268, 0.3059,
0.2006

■ 36.0996, 0.3079,
0.2238

■ 43.1901, 0.3095,
0.2487

■ 51.6765, 0.3108,
0.2744

■ 61.6307, 0.3119,
0.3000

■ 73.1197, 0.3126,
0.3248

■ 86.2063, 0.3131,
0.3484

Harmonies

Analogous

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



20.0013, 0.1657, 0.1176



20.0013, 0.2984, 0.1509



20.0013, 0.4886, 0.2142

Triad

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



20.0013, 0.2984, 0.1509



20.0013, 0.5122, 0.4878



20.0013, 0.0781, 0.2504

Complementary

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



20.0013, 0.2984, 0.1509



54.9937, 0.3065, 0.5763

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.



20.0013, 0.1301, 0.4738



20.0013, 0.2984, 0.1509



20.0013, 0.3766, 0.6234

Square

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



20.0013, 0.2984, 0.1509



20.0013, 0.6138, 0.3750



20.0013, 0.2401, 0.6672



20.0013, 0.0724, 0.1480

Rectangle

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



20.0013, 0.2984, 0.1509



20.0013, 0.5928, 0.2651



20.0013, 0.2401, 0.6672



20.0013, 0.0889, 0.3108

Sweetspot

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



20.0022, 0.2984, 0.1509



64.5591, 0.3104, 0.2655



9.4125, 0.1662, 0.0962



12.9678, 0.3099, 0.2564



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.



20.0022, 0.2984, 0.1509



23.7945, 0.2937, 0.1396



19.9451, 0.4176, 0.2209



13.8560, 0.3121, 0.3058



10.2816, 0.2937, 0.1392



0.7346, 0.2982, 0.1416

Inverse Universe

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



17.9337, 0.5756, 0.3158



21.4766, 0.6261, 0.3235



55.4717, 0.2782, 0.5020



13.7247, 0.3275, 0.3265



9.2718, 0.6266, 0.3225



0.6509, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 20.0013, 0.2984, 0.1509 looks on a white background.

Color Contrast Check

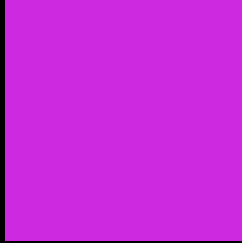
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0013, 0.2984, 0.1509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

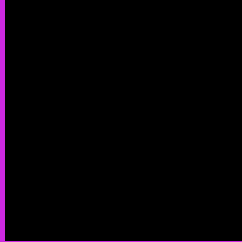
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0013, 0.2984, 0.1509

Background



This preview shows how black text looks on a background with the Yxy color 20.0013, 0.2984, 0.1509.



This preview shows how white text looks on a background with the Yxy color 20.0013, 0.2984, 0.1509.

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

20.0013, 0.2984, 0.1509

Protanopia

20.5248, 0.1739, 0.1460

Deuteranopia

20.3412, 0.1963, 0.1899



Tritanopia

19.8921, 0.4437, 0.3199

Trichromacy



Original Color

20.0013, 0.2984, 0.1509



Protanomaly

15.4491, 0.1828, 0.1237



Deuteranomaly

16.3947, 0.2156, 0.1531



Tritanomaly

18.7096, 0.3867, 0.2395

Monochromacy



Original Color

20.0013, 0.2984, 0.1509



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.9423, 0.3080, 0.2226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0013, 0.2984, 0.1509 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(205, 41, 225)` looks like.

```
.text, #text, p{  
    color:rgb(205, 41, 225)  
}
```

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(205, 41, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 41, 225) }
```

Border

The CSS property to change the border of an element to Yxy 20.0013, 0.2984, 0.1509 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(205, 41, 225) }
```

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

```
.border{ border-color:rgb(205, 41, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 41, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 41, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 41, 225);  
box-shadow:4px 4px 4px 4px rgb(205, 41,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0013, 0.2984, 0.1509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 41, 225) }
```

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

```
.background{ background-color: rgb(205, 41,  
225) }
```

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