

Converting Colors

$Y_{xy}(20.1345, 0.3134, 0.1532)$

Have a look what the booklet for
Yxy(20.1345, 0.3134, 0.1532)
contains.

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Color

Yxy(20.0529, 0.3128, 0.1528)

Conversions

Conversions Part 1

Format	Color
Hex	D615DD
RGB	214, 21, 221
RGB Percent	84%, 8%, 87%
CMY	0.1608, 0.9175, 0.1332
CMYK	0.03, 0.90, 0.00, 0.13
HSL	298°, 83%, 47%
HSV	298°, 90%, 87%
XYZ	41.0507, 20.0529, 70.1327
YIQ	101.5070, 50.8280, 103.1160

Conversions

Conversions Part 2

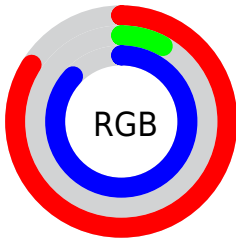
Format	Color
RYB	214, 21, 221
Decimal	14030301
CIELab	51.90, 85.29, -55.66
CIELCh	52, 101.843, 326.871
Yxy	20.0529, 0.3128, 0.1528
Android (android.graphics.Color)	4292220381 (0xFFD615DD)
YUV	101.5070, 58.9100, 98.6564
Hunter-Lab	44.7805, 85.2669, -61.5104

Details

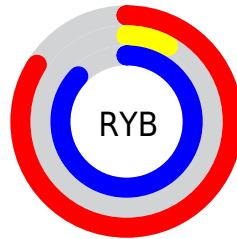
The Yxy color **20.0529, 0.3128, 0.1528** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **52.0297, 0.3014, 0.5921**, and the grayscale version is **12.9919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **9.5866, 0.3044, 0.1450** is the 20% darker color. If you saturate the color by 10%, you get **19.4050, 0.3120, 0.1493**, and if you desaturate by 10%, it is **21.3713, 0.3135, 0.1600**.

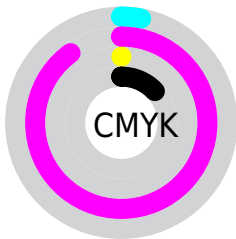
Distribution



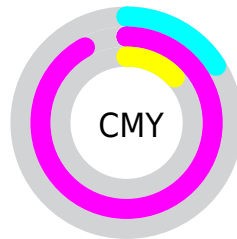
- Red (84%)
- Green (8%)
- Blue (87%)



- Red (84%)
- Yellow (8%)
- Blue (87%)



- Cyan (3%)
- Magenta (90%)
- Yellow (0%)
- Black (13%)




- Cyan (16%)
- Magenta (92%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0529, 0.3128, 0.1528 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 20.0529, 0.3128, 0.1528 by changing the saturation by 10% instead.


 20.0529, 0.3128,
0.1528


 20.0529, 0.3128,
0.1528


252.2014, 0.3182,
0.2349

 12.4335, 0.3098,
0.1349


 43.5059, 0.3160,
0.1808


 7.0396, 0.3051,
0.1138


 60.1082, 0.3168,
0.1919


 3.4869, 0.2975,
0.0888


 80.4737, 0.3174,
0.2015

 1.3909, 0.2846,
0.0600

 104.9866, 0.3177,
0.2099

 0.2100, 0.2653,
0.0171

 134.0315, 0.3180,
0.2173

 0.0000, 0.2221,
0.0000

167.9926, 0.3181,

 0.0000, 0.0846,

0.2238

0.0000

207.2544, 0.3182,
0.2297

■ 0.0000, 0.0000,
0.0000

■ 20.0529, 0.3128,
0.1528

■ 20.0529, 0.3128,
0.1528

■ 19.4050, 0.3120,
0.1493

■ 21.3713, 0.3135,
0.1600

■ 23.5597, 0.3140,
0.1715

■ 26.7420, 0.3143,
0.1872

■ 31.0217, 0.3144,
0.2066

■ 36.4890, 0.3144,
0.2289

■ 43.2251, 0.3141,
0.2530

■ 51.3039, 0.3138,
0.2781

■ 60.7936, 0.3133,
0.3033

■ 71.7580, 0.3127,
0.3278

Harmonies

Analogous

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



20.0529, 0.1718, 0.1166



20.0529, 0.3128, 0.1528



20.0529, 0.5081, 0.2185

Triad

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



20.0529, 0.3128, 0.1528



20.0529, 0.5014, 0.4986



20.0529, 0.0732, 0.2350

Complementary

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



20.0529, 0.3128, 0.1528



52.0297, 0.3014, 0.5921

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.



20.0529, 0.1198, 0.4535



20.0529, 0.3128, 0.1528



20.0529, 0.3626, 0.6374

Square

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



20.0529, 0.3128, 0.1528



20.0529, 0.6123, 0.3821



20.0529, 0.2261, 0.6688



20.0529, 0.0708, 0.1403

Rectangle

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



20.0529, 0.3128, 0.1528



20.0529, 0.6075, 0.2698



20.0529, 0.2261, 0.6688



20.0529, 0.0824, 0.2923

Sweetspot

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



20.0538, 0.3128, 0.1528



63.2043, 0.3140, 0.2612



6.3635, 0.1554, 0.0714



12.7538, 0.3141, 0.2526



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.



20.0538, 0.3128, 0.1528



26.8171, 0.3120, 0.1492



17.5537, 0.4570, 0.2346



13.2503, 0.3132, 0.3059



11.2804, 0.3122, 0.1493



0.7383, 0.3137, 0.1502

Inverse Universe

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



15.9983, 0.6198, 0.3272



21.2797, 0.6376, 0.3286



53.0357, 0.2744, 0.5011



13.0589, 0.3286, 0.3282



8.9433, 0.6361, 0.3278



0.5821, 0.6241, 0.3212

Previews

White Background



This preview shows how the Yxy color 20.0529, 0.3128, 0.1528 looks on a white background.

Color Contrast Check

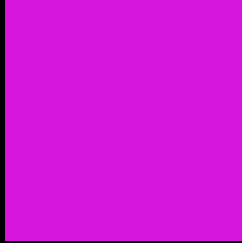
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0529, 0.3128, 0.1528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

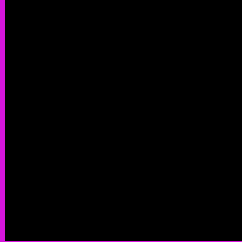
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0529, 0.3128, 0.1528

Background



This preview shows how black text looks on a background with the Yxy color 20.0529, 0.3128, 0.1528.

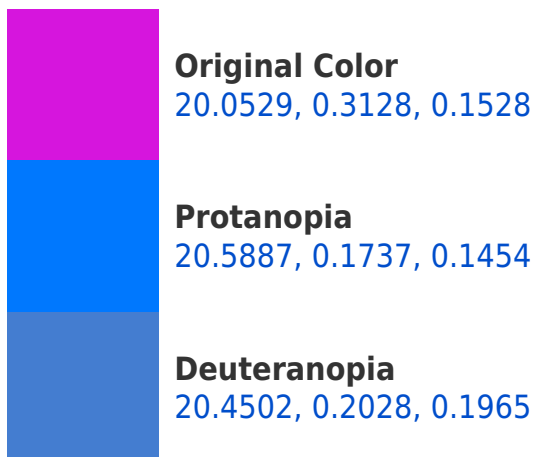


This preview shows how white text looks on a background with the Yxy color 20.0529, 0.3128, 0.1528.

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

20.0670, 0.4707, 0.3220

Trichromacy



Original Color

20.0529, 0.3128, 0.1528



Protanomaly

14.3712, 0.1826, 0.1175



Deuteranomaly

15.6854, 0.2246, 0.1512



Tritanomaly

18.5394, 0.4123, 0.2408

Monochromacy



Original Color

20.0529, 0.3128, 0.1528



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.6491, 0.3152, 0.2118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0529, 0.3128, 0.1528 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(214, 21, 221)` looks like.

```
.text, #text, p{  
    color:rgb(214, 21, 221)  
}
```

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(214, 21, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 21, 221) }
```

Border

The CSS property to change the border of an element to Yxy 20.0529, 0.3128, 0.1528 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(214, 21, 221) }
```

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

```
.border{ border-color:rgb(214, 21, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 21, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 21, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 21, 221);  
box-shadow:4px 4px 4px 4px rgb(214, 21,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0529, 0.3128, 0.1528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 21, 221) }
```

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

```
.background{ background-color: rgb(214, 21,  
221) }
```

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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