

Converting Colors

$Y_{xy}(20.5942, 0.3210, 0.1542)$

Have a look what the booklet for
Yxy(20.5942, 0.3210, 0.1542)
contains.

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Color

Yxy(20.5926, 0.3209, 0.1542)

Conversions

Conversions Part 1

Format	Color
Hex	DD00DD
RGB	221, 0, 221
RGB Percent	87%, 0%, 87%
CMY	0.1335, 0.9981, 0.1335
CMYK	0.00, 1.00, 0.00, 0.13
HSL	300°, 100%, 43%
HSV	300°, 100%, 87%
XYZ	42.8545, 20.5926, 70.0976
YIQ	91.2730, 60.7750, 115.5830

Conversions

Conversions Part 2

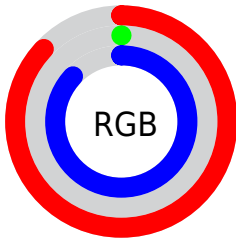
Format	Color
R_{YB}	221, 0, 221
Decimal	14483677
CIE Lab	52.50, 88.14, -54.59
CIE LCh	53, 103.677, 328.229
Yxy	20.5926, 0.3209, 0.1542
Android (android.graphics.Color)	4292673757 (0xFFDD00DD)
YUV	91.2730, 63.9554, 113.7706
Hunter-Lab	45.3791, 89.1562, -59.8207

Details

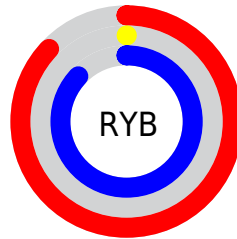
The Yxy color **20.5926, 0.3209, 0.1542** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **51.6985, 0.3000, 0.5999**, and the grayscale version is **10.4332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.2937, 0.3149, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **20.5829, 0.3209, 0.1541**, and if you desaturate by 10%, it is **21.1797, 0.3208, 0.1574**.

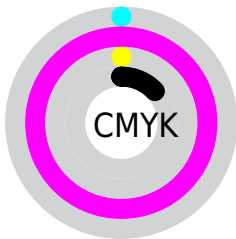
Distribution



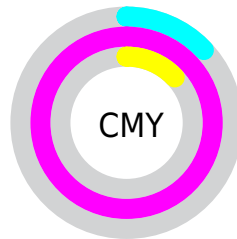
- Red (87%)
- Green (0%)
- Blue (87%)



- Red (87%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (13%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5926, 0.3209, 0.1542 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 20.5926, 0.3209, 0.1542 by changing the saturation by 10% instead.


 20.5926, 0.3209,
0.1542


 20.5926, 0.3209,
0.1542


255.1054, 0.3220,
0.2354


 12.8265, 0.3190,
0.1366


 44.4085, 0.3225,
0.1819

 7.3092, 0.3158,
0.1156


 61.2272, 0.3227,
0.1928


 3.6562, 0.3101,
0.0909


 81.8321, 0.3228,
0.2023

 1.4832, 0.2999,
0.0623

 106.6078, 0.3227,
0.2106

 0.2768, 0.2838,
0.0218

 135.9385, 0.3226,
0.2179

 0.0000, 0.2464,
0.0000

 170.2088, 0.3224,

 0.0000, 0.1395,

0.2244

0.0000

209.8030, 0.3222,
0.2302

■ 0.0000, 0.0000,
0.0000

■ 20.5926, 0.3209,
0.1542

■ 20.5926, 0.3209,
0.1542

■ 20.5829, 0.3209,
0.1541

■ 21.1797, 0.3208,
0.1574

■ 22.4361, 0.3204,
0.1642

■ 24.5719, 0.3199,
0.1753

■ 27.7081, 0.3192,
0.1906

■ 31.9472, 0.3183,
0.2095

■ 37.3785, 0.3173,
0.2314

■ 44.0827, 0.3162,
0.2553

■ 52.1330, 0.3150,
0.2801

■ 61.5974, 0.3138,
0.3051

Harmonies

Analogous

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



20.5926, 0.1756, 0.1165



20.5926, 0.3209, 0.1542



20.5926, 0.5181, 0.2211

Triad

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



20.5926, 0.3209, 0.1542



20.5926, 0.4954, 0.5046



20.5926, 0.0712, 0.2273

Complementary

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



20.5926, 0.3209, 0.1542



51.6985, 0.3000, 0.5999

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.



20.5926, 0.1149, 0.4420



20.5926, 0.3209, 0.1542



20.5926, 0.3553, 0.6447

Square

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



20.5926, 0.3209, 0.1542



20.5926, 0.6107, 0.3862



20.5926, 0.2191, 0.6678



20.5926, 0.0704, 0.1367

Rectangle

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



20.5926, 0.3209, 0.1542



20.5926, 0.6142, 0.2725



20.5926, 0.2191, 0.6678



20.5926, 0.0796, 0.2828

Sweetspot

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



20.5936, 0.3209, 0.1542



60.5192, 0.3162, 0.2541



5.3122, 0.1503, 0.0610



12.0701, 0.3167, 0.2438



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.



20.5936, 0.3209, 0.1542



28.4768, 0.3209, 0.1541



16.6013, 0.4907, 0.2478



13.2748, 0.3138, 0.3060



11.9613, 0.3209, 0.1541



0.7749, 0.3209, 0.1541

Inverse Universe

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



15.3784, 0.6398, 0.3300



21.2600, 0.6401, 0.3300



52.7600, 0.2745, 0.5079



13.0515, 0.3292, 0.3290



8.9299, 0.6401, 0.3300



0.5785, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 20.5926, 0.3209, 0.1542 looks on a white background.

Color Contrast Check

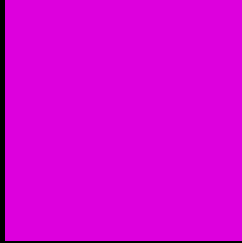
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5926, 0.3209, 0.1542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

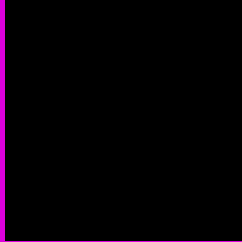
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5926, 0.3209, 0.1542

Background



This preview shows how black text looks on a background with the Yxy color 20.5926, 0.3209, 0.1542.



This preview shows how white text looks on a background with the Yxy color 20.5926, 0.3209, 0.1542.

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

20.5926, 0.3209, 0.1542

Protanopia

21.4003, 0.1768, 0.1483

Deuteranopia

21.2693, 0.2074, 0.2009



Tritanopia

20.8545, 0.4822, 0.3236

Trichromacy



Original Color

20.5926, 0.3209, 0.1542



Protanomaly

14.5725, 0.1924, 0.1166



Deuteranomaly

15.3561, 0.2308, 0.1476



Tritanomaly

18.6895, 0.4249, 0.2390

Monochromacy



Original Color

20.5926, 0.3209, 0.1542



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.4810, 0.3189, 0.1981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5926, 0.3209, 0.1542 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(221, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 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(221, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 221) }
```

Border

The CSS property to change the border of an element to Yxy 20.5926, 0.3209, 0.1542 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(221, 0, 221) }
```

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

```
.border{ border-color:rgb(221, 0, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 0, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5926, 0.3209, 0.1542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 221) }
```

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

```
.background{ background-color: rgb(221, 0,  
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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