

Converting Colors

$Y_{xy}(19.7739, 0.3216, 0.1550)$

Have a look what the booklet for
Yxy(19.7739, 0.3216, 0.1550)
contains.

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Color

Yxy(19.7964, 0.3221, 0.1553)

Conversions

Conversions Part 1

Format	Color
Hex	D904D8
RGB	217, 4, 216
RGB Percent	85%, 2%, 85%
CMY	0.1489, 0.9849, 0.1530
CMYK	0.00, 0.98, 0.00, 0.15
HSL	300°, 97%, 43%
HSV	300°, 98%, 85%
XYZ	41.0587, 19.7964, 66.6169
YIQ	91.8550, 58.8960, 111.0880

Conversions

Conversions Part 2

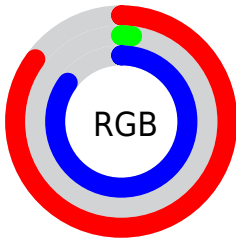
Format	Color
R_{YB}	217, 4, 216
Decimal	14222552
CIE Lab	51.61, 86.57, -53.22
CIE LCh	52, 101.619, 328.415
Yxy	19.7964, 0.3221, 0.1553
Android (android.graphics.Color)	4292412632 (0xFFD904D8)
YUV	91.8550, 61.2035, 109.7522
Hunter-Lab	44.4931, 86.8586, -57.6261

Details

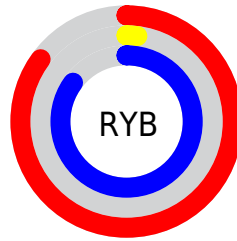
The Yxy color **19.7964, 0.3221, 0.1553** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **49.6767, 0.3000, 0.5986**, and the grayscale version is **10.4952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **9.7062, 0.3163, 0.1516** is the 20% darker color. If you saturate the color by 10%, you get **19.7128, 0.3221, 0.1548**, and if you desaturate by 10%, it is **20.4384, 0.3218, 0.1589**.

Distribution



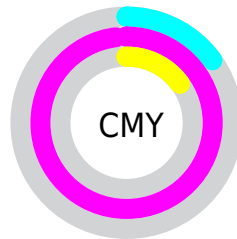
- Red (85%)
- Green (2%)
- Blue (85%)



- Red (85%)
- Yellow (2%)
- Blue (85%)



- Cyan (0%)
- Magenta (98%)
- Yellow (0%)
- Black (15%)





- Cyan (15%)
- Magenta (98%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7964, 0.3221, 0.1553 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 19.7964, 0.3221, 0.1553 by changing the saturation by 10% instead.


 19.7964, 0.3221,
0.1553


 19.7964, 0.3221,
0.1553


250.8108, 0.3224,
0.2367


 12.2471, 0.3204,
0.1374


 43.0756, 0.3234,
0.1832


 6.9122, 0.3173,
0.1161


 59.5743, 0.3236,
0.1942


 3.4073, 0.3118,
0.0909


 79.8249, 0.3235,
0.2037

 1.3479, 0.3016,
0.0615

 104.2118, 0.3234,
0.2120

 0.1778, 0.2864,
0.0156

 133.1195, 0.3232,
0.2193

 0.0000, 0.2455,
0.0000

 166.9323, 0.3230,

 0.0000, 0.0994,

0.2258


0.0000


206.0346, 0.3227,
0.2316

 0.0000, 0.0000,
0.0000


 19.7964, 0.3221,
0.1553


 19.7964, 0.3221,
0.1553


 19.7128, 0.3221,
0.1548

 20.4384, 0.3218,
0.1589

 21.7783, 0.3213,
0.1663

 23.9815, 0.3206,
0.1780

 27.1603, 0.3197,
0.1939

 31.4104, 0.3187,
0.2133

■ 36.8158, 0.3175,
0.2355

■ 43.4525, 0.3162,
0.2595

■ 51.3898, 0.3150,
0.2843

■ 60.6918, 0.3137,
0.3091

Harmonies

Analogous

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



19.7964, 0.1770, 0.1175



19.7964, 0.3221, 0.1553



19.7964, 0.5180, 0.2222

Triad

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



19.7964, 0.3221, 0.1553



19.7964, 0.4945, 0.5055



19.7964, 0.0720, 0.2272

Complementary

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



19.7964, 0.3221, 0.1553



49.6767, 0.3000, 0.5986

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.



19.7964, 0.1155, 0.4396



19.7964, 0.3221, 0.1553



19.7964, 0.3555, 0.6445

Square

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



19.7964, 0.3221, 0.1553



19.7964, 0.6092, 0.3875



19.7964, 0.2194, 0.6645



19.7964, 0.0713, 0.1373

Rectangle

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



19.7964, 0.3221, 0.1553



19.7964, 0.6130, 0.2736



19.7964, 0.2194, 0.6645



19.7964, 0.0804, 0.2822

Sweetspot

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



19.7973, 0.3221, 0.1553



61.5249, 0.3164, 0.2569



5.1198, 0.1507, 0.0611



12.2576, 0.3169, 0.2465



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.



19.7973, 0.3221, 0.1553



28.4003, 0.3222, 0.1548



15.9753, 0.4939, 0.2505



13.2737, 0.3139, 0.3061



11.9299, 0.3221, 0.1548



0.7732, 0.3219, 0.1547

Inverse Universe

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



19.7973, 0.3221, 0.1553



28.4003, 0.3222, 0.1548



50.8014, 0.2724, 0.4994



13.2737, 0.3139, 0.3061



11.9299, 0.3221, 0.1548



0.7732, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 19.7964, 0.3221, 0.1553 looks on a white background.

Color Contrast Check

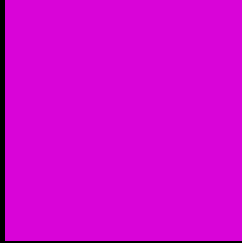
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7964, 0.3221, 0.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

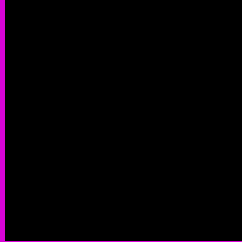
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7964, 0.3221, 0.1553

Background



This preview shows how black text looks on a background with the Yxy color 19.7964, 0.3221, 0.1553.



This preview shows how white text looks on a background with the Yxy color 19.7964, 0.3221, 0.1553.

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

19.7964, 0.3221, 0.1553

Protanopia

20.5887, 0.1737, 0.1454

Deuteranopia

20.4749, 0.2084, 0.2031



Tritanopia

20.0726, 0.4835, 0.3236

Trichromacy



Original Color

19.7964, 0.3221, 0.1553



Protanomaly

13.4023, 0.1822, 0.1127



Deuteranomaly

14.9510, 0.2323, 0.1505



Tritanomaly

18.0653, 0.4266, 0.2400

Monochromacy



Original Color

19.7964, 0.3221, 0.1553



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.3562, 0.3187, 0.2007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7964, 0.3221, 0.1553 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, 4, 216)` looks like.

```
.text, #text, p{  
    color:rgb(217, 4, 216)  
}
```

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, 4, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 4, 216) }
```

Border

The CSS property to change the border of an element to Yxy 19.7964, 0.3221, 0.1553 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, 4, 216) }
```

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

```
.border{ border-color:rgb(217, 4, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 4, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 4, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 4, 216);  
box-shadow:4px 4px 4px 4px rgb(217, 4,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7964, 0.3221, 0.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 4, 216) }
```

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

```
.background{ background-color: rgb(217, 4,  
216) }
```

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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