

Converting Colors

$Y_{xy}(21.5655, 0.3193, 0.1597)$

Have a look what the booklet for
Yxy(21.5655, 0.3193, 0.1597)
contains.

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Color

Yxy(21.5802, 0.3195, 0.1598)

Conversions

Conversions Part 1

Format	Color
Hex	DC22DD
RGB	220, 34, 221
RGB Percent	86%, 13%, 87%
CMY	0.1372, 0.8670, 0.1332
CMYK	0.00, 0.85, 0.00, 0.13
HSL	300°, 73%, 50%
HSV	300°, 85%, 87%
XYZ	43.1469, 21.5802, 70.3180
YIQ	110.9320, 50.8290, 97.5890

Conversions

Conversions Part 2

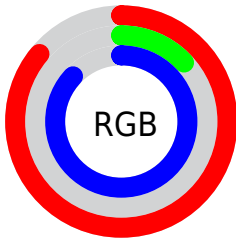
Format	Color
R _Y B	220, 34, 221
Decimal	14426845
CIE Lab	53.58, 84.37, -52.91
CIE LCh	54, 99.585, 327.905
Yxy	21.5802, 0.3195, 0.1598
Android (android.graphics.Color)	4292616925 (0xFFDC22DD)
YUV	110.9320, 54.2635, 95.6526
Hunter-Lab	46.4545, 84.4953, -57.2289

Details

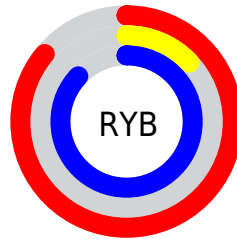
The Yxy color **21.5802, 0.3195, 0.1598** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **52.1993, 0.3009, 0.5851**, and the grayscale version is **15.6937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **10.1902, 0.3134, 0.1500** is the 20% darker color. If you saturate the color by 10%, you get **20.6817, 0.3196, 0.1549**, and if you desaturate by 10%, it is **23.2908, 0.3192, 0.1689**.

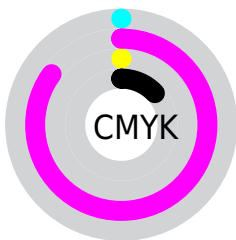
Distribution



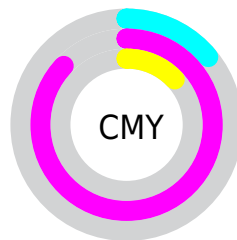
- Red (86%)
- Green (13%)
- Blue (87%)



- Red (86%)
- Yellow (13%)
- Blue (87%)



- Cyan (0%)
- Magenta (85%)
- Yellow (0%)
- Black (13%)




- Cyan (14%)
- Magenta (87%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5802, 0.3195, 0.1598 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 21.5802, 0.3195, 0.1598 by changing the saturation by 10% instead.


 21.5802, 0.3195,
0.1598


 21.5802, 0.3195,
0.1598


260.3461, 0.3209,
0.2386


 13.5488, 0.3177,
0.1425


 46.0512, 0.3211,
0.1868

 7.8075, 0.3145,
0.1220


 63.2595, 0.3214,
0.1974


 3.9720, 0.3091,
0.0974


 84.2956, 0.3215,
0.2066

 1.6579, 0.2993,
0.0686

 109.5438, 0.3215,
0.2147

 0.3962, 0.2830,
0.0307

 139.3886, 0.3214,
0.2217

 0.0000, 0.2488,
0.0000

174.2143, 0.3213,


 0.0000, 0.1463,


0.2280


0.0000


214.4053, 0.3211,
0.2336


 0.0000, 0.0000,
0.0000


 21.5802, 0.3195,
0.1598


 21.5802, 0.3195,
0.1598


 20.6817, 0.3196,
0.1549


 23.2908, 0.3192,
0.1689

 20.4133, 0.3196,
0.1534

 25.9455, 0.3188,
0.1822

 29.6557, 0.3181,
0.1996

 34.5166, 0.3173,
0.2203

 40.6130, 0.3164,
0.2433

■ 48.0215, 0.3153,
0.2679

■ 56.8125, 0.3143,
0.2929

■ 67.0516, 0.3132,
0.3177

■ 78.7999, 0.3122,
0.3417

Harmonies

Analogous

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



21.5802, 0.1801, 0.1229



21.5802, 0.3195, 0.1598



21.5802, 0.5061, 0.2254

Triad

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



21.5802, 0.3195, 0.1598



21.5802, 0.4963, 0.5037



21.5802, 0.0789, 0.2353

Complementary

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



21.5802, 0.3195, 0.1598



52.1993, 0.3009, 0.5851

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.



21.5802, 0.1246, 0.4393



21.5802, 0.3195, 0.1598



21.5802, 0.3609, 0.6302

Square

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



21.5802, 0.3195, 0.1598



21.5802, 0.6013, 0.3886



21.5802, 0.2287, 0.6481



21.5802, 0.0768, 0.1447

Rectangle

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



21.5802, 0.3195, 0.1598



21.5802, 0.5990, 0.2766



21.5802, 0.2287, 0.6481



21.5802, 0.0880, 0.2892

Sweetspot

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



21.5812, 0.3195, 0.1598



65.7860, 0.3154, 0.2665



6.8863, 0.1593, 0.0763



13.2665, 0.3158, 0.2577



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.



21.5812, 0.3195, 0.1598



28.2216, 0.3196, 0.1534



18.1439, 0.4558, 0.2399



13.2711, 0.3137, 0.3060



11.8566, 0.3196, 0.1534



0.7693, 0.3198, 0.1535

Inverse Universe

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



16.6372, 0.6077, 0.3294



21.2630, 0.6397, 0.3298



53.5313, 0.2703, 0.4795



13.0527, 0.3291, 0.3289



8.9319, 0.6395, 0.3296



0.5791, 0.6376, 0.3286

Previews

White Background



This preview shows how the Yxy color 21.5802, 0.3195, 0.1598 looks on a white background.

Color Contrast Check

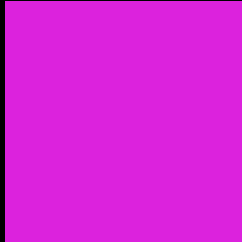
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5802, 0.3195, 0.1598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

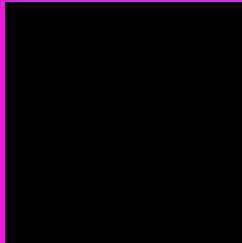
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5802, 0.3195, 0.1598

Background



This preview shows how black text looks on a background with the Yxy color 21.5802, 0.3195, 0.1598.



This preview shows how white text looks on a background with the Yxy color 21.5802, 0.3195, 0.1598.

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

21.5802, 0.3195, 0.1598

Protanopia

22.1067, 0.1795, 0.1517

Deuteranopia

21.9601, 0.2102, 0.2048



Tritanopia

21.4670, 0.4706, 0.3222

Trichromacy



Original Color

21.5802, 0.3195, 0.1598



Protanomaly

17.0174, 0.1996, 0.1313



Deuteranomaly

17.6348, 0.2349, 0.1632



Tritanomaly

20.1822, 0.4148, 0.2467

Monochromacy



Original Color

21.5802, 0.3195, 0.1598



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.0002, 0.3177, 0.2223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5802, 0.3195, 0.1598 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(220, 34, 221)` looks like.

```
.text, #text, p{  
    color:rgb(220, 34, 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(220, 34, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 34, 221) }
```

Border

The CSS property to change the border of an element to Yxy 21.5802, 0.3195, 0.1598 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(220, 34, 221) }
```

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

```
.border{ border-color:rgb(220, 34, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 34, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 34, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 34, 221);  
box-shadow:4px 4px 4px 4px rgb(220, 34,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5802, 0.3195, 0.1598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 34, 221) }
```

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

```
.background{ background-color: rgb(220, 34,  
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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