

Converting Colors

$Y_{xy}(20.1393, 0.3343, 0.1634)$

Have a look what the booklet for
Yxy(20.1393, 0.3343, 0.1634)
contains.

Yxy(20.1332, 0.3339, 0.1632)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1332, 0.3339, 0.1632)

Conversions

Conversions Part 1

Format	Color
Hex	DC0ED1
RGB	220, 14, 209
RGB Percent	86%, 5%, 82%
CMY	0.1371, 0.9461, 0.1804
CMYK	0.00, 0.94, 0.05, 0.14
HSL	303°, 88%, 46%
HSV	303°, 94%, 86%
XYZ	41.1916, 20.1332, 62.0404
YIQ	97.8240, 60.1810, 104.3170

Conversions

Conversions Part 2

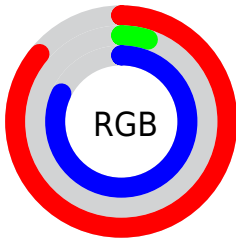
Format	Color
R_{YB}	220, 14, 209
Decimal	14421713
CIE Lab	51.99, 85.33, -48.59
CIE LCh	52, 98.193, 330.343
Yxy	20.1332, 0.3339, 0.1632
Android (android.graphics.Color)	4292611793 (0xFFDC0ED1)
YUV	97.8240, 54.8098, 107.1484
Hunter-Lab	44.8700, 85.3442, -50.5694

Details

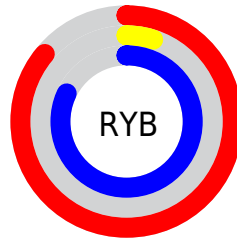
The Yxy color **20.1332, 0.3339, 0.1632** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **51.3716, 0.2991, 0.5920**, and the grayscale version is **11.9848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **9.8067, 0.3304, 0.1594** is the 20% darker color. If you saturate the color by 10%, you get **19.7903, 0.3350, 0.1619**, and if you desaturate by 10%, it is **21.1324, 0.3321, 0.1678**.

Distribution



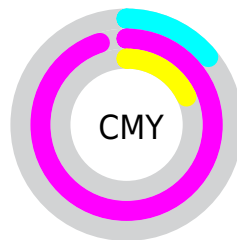
- Red (86%)
- Green (5%)
- Blue (82%)



- Red (86%)
- Yellow (5%)
- Blue (82%)



- Cyan (0%)
- Magenta (94%)
- Yellow (5%)
- Black (14%)





- Cyan (14%)
- Magenta (95%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1332, 0.3339, 0.1632 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 20.1332, 0.3339, 0.1632 by changing the saturation by 10% instead.


 20.1332, 0.3339,
0.1632


 20.1332, 0.3339,
0.1632


252.6353, 0.3275,
0.2418


 12.4919, 0.3341,
0.1456


 43.6404, 0.3326,
0.1904

 7.0796, 0.3335,
0.1245


 60.2751, 0.3318,
0.2010


 3.5119, 0.3312,
0.0990


 80.6763, 0.3310,
0.2102

 1.4045, 0.3255,
0.0688

 105.2286, 0.3302,
0.2182

 0.2200, 0.3168,
0.0212

 134.3162, 0.3295,
0.2252

 0.0000, 0.2835,
0.0000

 168.3236, 0.3288,

 0.0000, 0.1306,

0.2313

0.0000

207.6352, 0.3281,
0.2369

■ 0.0000, 0.0000,
0.0000

■ 20.1332, 0.3339,
0.1632

■ 20.1332, 0.3339,
0.1632

■ 19.7903, 0.3350,
0.1619

■ 21.1324, 0.3321,
0.1678

■ 22.9465, 0.3300,
0.1768

■ 25.7070, 0.3276,
0.1900

■ 29.5216, 0.3252,
0.2071

■ 34.4833, 0.3227,
0.2273

■ 40.6751, 0.3202,
0.2496

■ 48.1722, 0.3178,
0.2731

■ 57.0439, 0.3155,
0.2970

■ 67.3544, 0.3134,
0.3204

Harmonies

Analogous

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



20.1332, 0.1879, 0.1236



20.1332, 0.3339, 0.1632



20.1332, 0.5218, 0.2307

Triad

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



20.1332, 0.3339, 0.1632



20.1332, 0.4858, 0.5142



20.1332, 0.0762, 0.2232

Complementary

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



20.1332, 0.3339, 0.1632



51.3716, 0.2991, 0.5920

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.



20.1332, 0.1172, 0.4193



20.1332, 0.3339, 0.1632



20.1332, 0.3489, 0.6402

Square

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



20.1332, 0.3339, 0.1632



20.1332, 0.5974, 0.3967



20.1332, 0.2174, 0.6422



20.1332, 0.0770, 0.1395

Rectangle

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



20.1332, 0.3339, 0.1632



20.1332, 0.6085, 0.2821



20.1332, 0.2174, 0.6422



20.1332, 0.0840, 0.2739

Sweetspot

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



20.1342, 0.3339, 0.1632



62.3513, 0.3188, 0.2625



5.6723, 0.1542, 0.0650



12.3997, 0.3199, 0.2523



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.



20.1342, 0.3339, 0.1632



27.6320, 0.3351, 0.1620



16.5833, 0.5034, 0.2583



13.2622, 0.3146, 0.3072



11.6146, 0.3347, 0.1618



0.7562, 0.3323, 0.1604

Inverse Universe

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



20.1342, 0.3339, 0.1632



27.6320, 0.3351, 0.1620



52.8402, 0.2663, 0.4749



13.2622, 0.3146, 0.3072



11.6146, 0.3347, 0.1618



0.7562, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 20.1332, 0.3339, 0.1632 looks on a white background.

Color Contrast Check

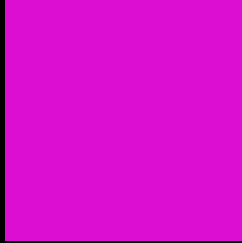
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1332, 0.3339, 0.1632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

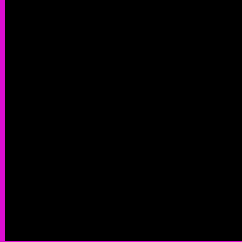
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1332, 0.3339, 0.1632

Background



This preview shows how black text looks on a background with the Yxy color 20.1332, 0.3339, 0.1632.



This preview shows how white text looks on a background with the Yxy color 20.1332, 0.3339, 0.1632.

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

20.1332, 0.3339, 0.1632

Protanopia

20.9659, 0.1746, 0.1463

Deuteranopia

20.6312, 0.2182, 0.2130



Tritanopia

20.3010, 0.4924, 0.3238

Trichromacy



Original Color

20.1332, 0.3339, 0.1632



Protanomaly

14.2339, 0.1880, 0.1195



Deuteranomaly

15.8649, 0.2459, 0.1640



Tritanomaly

18.6891, 0.4364, 0.2484

Monochromacy



Original Color

20.1332, 0.3339, 0.1632



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.6001, 0.3245, 0.2121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1332, 0.3339, 0.1632 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, 14, 209)` looks like.

```
.text, #text, p{  
    color:rgb(220, 14, 209)  
}
```

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, 14, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 14, 209) }
```

Border

The CSS property to change the border of an element to Yxy 20.1332, 0.3339, 0.1632 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, 14, 209) }
```

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

```
.border{ border-color:rgb(220, 14, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 14, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 14, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 14, 209);  
box-shadow:4px 4px 4px 4px rgb(220, 14,  
209) }
```


Background

The CSS property to change the background color of an element to `rgb(20.1332, 0.3339, 0.1632)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 14, 209) }
```

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

```
.background{ background-color: rgb(220, 14,  
209) }
```

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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