

Converting Colors

Yxy(20.9993, 0.3323, 0.1604)

Have a look what the booklet for
Yxy(20.9993, 0.3323, 0.1604)
contains.

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Color

Yxy(20.9654, 0.3313, 0.1599)

Conversions

Conversions Part 1

Format	Color
Hex	E100D8
RGB	225, 0, 216
RGB Percent	88%, 0%, 85%
CMY	0.1177, 0.9990, 0.1530
CMYK	0.00, 1.00, 0.04, 0.12
HSL	302°, 100%, 44%
HSV	302°, 100%, 88%
XYZ	43.4386, 20.9654, 66.7117
YIQ	91.8990, 64.7640, 114.8760

Conversions

Conversions Part 2

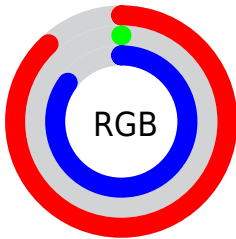
Format	Color
R_{YB}	225, 0, 216
Decimal	14745816
CIE _{Lab}	52.91, 88.10, -51.05
CIE _{LCh}	53, 101.828, 329.909
Yxy	20.9654, 0.3313, 0.1599
Android (android.graphics.Color)	4292935896 (0xFFE100D8)
YUV	91.8990, 61.1818, 116.7296
Hunter-Lab	45.7880, 89.2123, -54.3321

Details

The Yxy color **20.9654, 0.3313, 0.1599** 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 **53.8599, 0.2995, 0.5980**, and the grayscale version is **10.5580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.5374, 0.3286, 0.1584** is the 20% darker color. If you saturate the color by 10%, you get **20.9603, 0.3313, 0.1599**, and if you desaturate by 10%, it is **21.6106, 0.3300, 0.1626**.

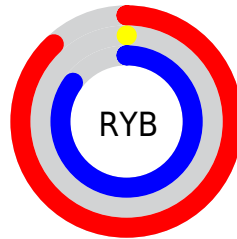
Distribution



Red (88%)

Green (0%)

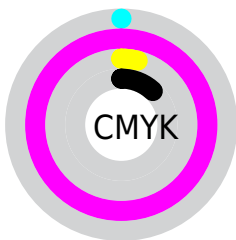
Blue (85%)



Red (88%)

Yellow (0%)

Blue (85%)

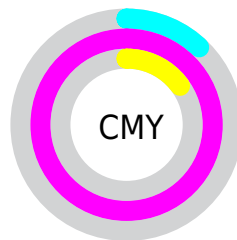


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (12%)



Cyan (12%)

Magenta (100%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9654, 0.3313, 0.1599 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 20.9654, 0.3313, 0.1599 by changing the saturation by 10% instead.


 20.9654, 0.3313,
0.1599


 20.9654, 0.3313,
0.1599


257.0946, 0.3266,
0.2390


 13.0987, 0.3310,
0.1425


 45.0299, 0.3307,
0.1870


 7.4966, 0.3298,
0.1217


 61.9966, 0.3301,
0.1977

 3.7745, 0.3269,
0.0969


 82.7653, 0.3295,
0.2069

 1.5483, 0.3203,
0.0678

 107.7206, 0.3289,
0.2150

 0.3223, 0.3092,
0.0269

 137.2468, 0.3283,
0.2221

 0.0000, 0.2786,
0.0000


 171.7282, 0.3277,


 0.0000, 0.1789,

0.2284


0.0000


211.5493, 0.3271,
0.2340


 0.0000, 0.0000,
0.0000


 20.9654, 0.3313,
0.1599


 20.9654, 0.3313,
0.1599


 20.9603, 0.3313,
0.1599

 21.6106, 0.3300,
0.1626

 22.9505, 0.3285,
0.1690

 25.2056, 0.3267,
0.1797

 28.5031, 0.3248,
0.1946

 32.9500, 0.3227,
0.2131

■ 38.6402, 0.3206,
0.2344

■ 45.6579, 0.3185,
0.2576

■ 54.0798, 0.3164,
0.2816

■ 63.9769, 0.3145,
0.3058

Harmonies

Analogous

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



20.9654, 0.1841, 0.1206



20.9654, 0.3313, 0.1599



20.9654, 0.5237, 0.2275

Triad

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



20.9654, 0.3313, 0.1599



20.9654, 0.4877, 0.5123



20.9654, 0.0734, 0.2224

Complementary

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



20.9654, 0.3313, 0.1599



53.8599, 0.2995, 0.5980

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.



20.9654, 0.1146, 0.4248



20.9654, 0.3313, 0.1599



20.9654, 0.3491, 0.6445

Square

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



20.9654, 0.3313, 0.1599



20.9654, 0.6022, 0.3937



20.9654, 0.2158, 0.6524



20.9654, 0.0740, 0.1372

Rectangle

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



20.9654, 0.3313, 0.1599



20.9654, 0.6131, 0.2790



20.9654, 0.2158, 0.6524



20.9654, 0.0812, 0.2745

Sweetspot

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



20.9664, 0.3313, 0.1599



60.3245, 0.3185, 0.2568



5.4905, 0.1509, 0.0605



12.0226, 0.3194, 0.2468



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.



20.9664, 0.3313, 0.1599



27.8401, 0.3314, 0.1599



17.0319, 0.5126, 0.2598



13.9257, 0.3144, 0.3068



12.0854, 0.3311, 0.1598



0.8407, 0.3294, 0.1588

Inverse Universe

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



20.9664, 0.3313, 0.1599



27.8401, 0.3314, 0.1599



55.1983, 0.2698, 0.4912



13.9257, 0.3144, 0.3068



12.0854, 0.3311, 0.1598



0.8407, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 20.9654, 0.3313, 0.1599 looks on a white background.

Color Contrast Check

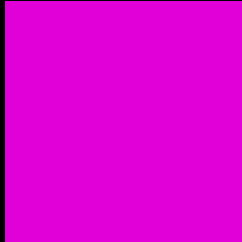
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9654, 0.3313, 0.1599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

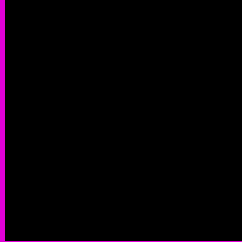
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9654, 0.3313, 0.1599

Background



This preview shows how black text looks on a background with the Yxy color 20.9654, 0.3313, 0.1599.



This preview shows how white text looks on a background with the Yxy color 20.9654, 0.3313, 0.1599.

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

20.9654, 0.3313, 0.1599

Protanopia

22.0104, 0.1786, 0.1513

Deuteranopia

21.6814, 0.2151, 0.2096



Tritanopia

21.2322, 0.4919, 0.3239

Trichromacy



Original Color

20.9654, 0.3313, 0.1599



Protanomaly

14.9461, 0.1972, 0.1203



Deuteranomaly

15.8229, 0.2412, 0.1554



Tritanomaly

19.1676, 0.4367, 0.2435

Monochromacy



Original Color

20.9654, 0.3313, 0.1599



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5095, 0.3236, 0.2013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9654, 0.3313, 0.1599 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(225, 0, 216)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 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(225, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 216) }
```

Border

The CSS property to change the border of an element to Yxy 20.9654, 0.3313, 0.1599 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(225, 0, 216) }
```

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

```
.border{ border-color:rgb(225, 0, 216) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9654, 0.3313, 0.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 216) }
```

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

```
.background{ background-color: rgb(225, 0,  
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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