

Converting Colors

$Y_{xy}(21.0327, 0.3269, 0.1575)$

Have a look what the booklet for
Yxy(21.0327, 0.3269, 0.1575)
contains.

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Color

Yxy(20.9618, 0.3266, 0.1573)

Conversions

Conversions Part 1

Format	Color
Hex	E000DB
RGB	224, 0, 219
RGB Percent	88%, 0%, 86%
CMY	0.1216, 0.9993, 0.1411
CMYK	0.00, 1.00, 0.02, 0.12
HSL	301°, 100%, 44%
HSV	301°, 100%, 88%
XYZ	43.5227, 20.9618, 68.7755
YIQ	91.9420, 63.2050, 115.5970

Conversions

Conversions Part 2

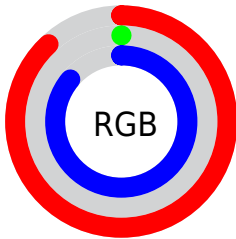
Format	Color
RYB	224, 0, 219
Decimal	14680283
CIELab	52.91, 88.37, -52.80
CIELCh	53, 102.940, 329.145
Yxy	20.9618, 0.3266, 0.1573
Android (android.graphics.Color)	4292870363 (0xFFE000DB)
YUV	91.9420, 62.6396, 115.8149
Hunter-Lab	45.7841, 89.5615, -57.0149

Details

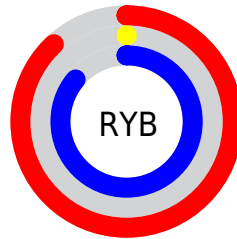
The Yxy color **20.9618, 0.3266, 0.1573** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **53.3132, 0.2997, 0.5989**, and the grayscale version is **10.5540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.5369, 0.3224, 0.1550** is the 20% darker color. If you saturate the color by 10%, you get **20.9589, 0.3266, 0.1573**, and if you desaturate by 10%, it is **21.5811, 0.3258, 0.1602**.

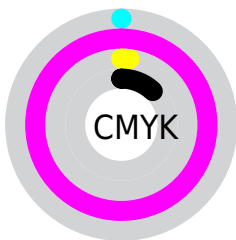
Distribution



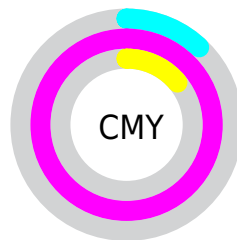
- Red (88%)
- Green (0%)
- Blue (86%)



- Red (88%)
- Yellow (0%)
- Blue (86%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9618, 0.3266, 0.1573 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 20.9618, 0.3266, 0.1573 by changing the saturation by 10% instead.


 20.9618, 0.3266,
0.1573


 20.9618, 0.3266,
0.1573


257.0754, 0.3245,
0.2372


 13.0961, 0.3256,
0.1398


 45.0240, 0.3270,
0.1846


 7.4947, 0.3235,
0.1191


 61.9892, 0.3268,
0.1954

 3.7734, 0.3193,
0.0944


 82.7564, 0.3265,
0.2047

 1.5476, 0.3111,
0.0656

 107.7099, 0.3261,
0.2129

 0.3219, 0.2976,
0.0257

 137.2342, 0.3257,
0.2201

 0.0000, 0.2644,
0.0000

 171.7136, 0.3253,


 0.0000, 0.1665,


0.2265


0.0000


211.5325, 0.3249,
0.2321


 0.0000, 0.0000,
0.0000


 20.9618, 0.3266,
0.1573

 20.9618, 0.3266,
0.1573

 20.9589, 0.3266,
0.1573

 21.5811, 0.3258,
0.1602

 22.8859, 0.3249,
0.1667

 25.0958, 0.3237,
0.1776

 28.3369, 0.3223,
0.1926

 32.7149, 0.3208,
0.2113

■ 38.3228, 0.3191,
0.2329

■ 45.2437, 0.3175,
0.2563

■ 53.5538, 0.3158,
0.2807

■ 63.3232, 0.3142,
0.3052

Harmonies

Analogous

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



20.9618, 0.1802, 0.1188



20.9618, 0.3266, 0.1573



20.9618, 0.5212, 0.2246

Triad

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



20.9618, 0.3266, 0.1573



20.9618, 0.4912, 0.5088



20.9618, 0.0724, 0.2246

Complementary

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



20.9618, 0.3266, 0.1573



53.3132, 0.2997, 0.5989

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.



20.9618, 0.1147, 0.4325



20.9618, 0.3266, 0.1573



20.9618, 0.3521, 0.6451

Square

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



20.9618, 0.3266, 0.1573



20.9618, 0.6060, 0.3903



20.9618, 0.2173, 0.6595



20.9618, 0.0724, 0.1369

Rectangle

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



20.9618, 0.3266, 0.1573



20.9618, 0.6137, 0.2761



20.9618, 0.2173, 0.6595



20.9618, 0.0804, 0.2782

Sweetspot

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



20.9628, 0.3266, 0.1573



60.4111, 0.3175, 0.2556



5.4096, 0.1504, 0.0603



12.0437, 0.3182, 0.2455



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.



20.9628, 0.3266, 0.1573



28.1205, 0.3266, 0.1573



16.9379, 0.5055, 0.2559



13.9301, 0.3141, 0.3064



12.2044, 0.3265, 0.1572



0.8476, 0.3256, 0.1567

Inverse Universe

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



20.9628, 0.3266, 0.1573



28.1205, 0.3266, 0.1573



54.5584, 0.2714, 0.4970



13.9301, 0.3141, 0.3064



12.2044, 0.3265, 0.1572



0.8476, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 20.9618, 0.3266, 0.1573 looks on a white background.

Color Contrast Check

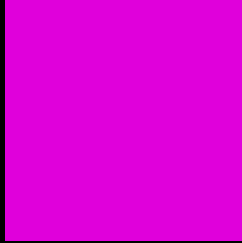
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9618, 0.3266, 0.1573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

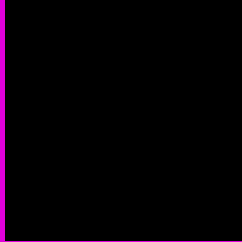
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9618, 0.3266, 0.1573

Background



This preview shows how black text looks on a background with the Yxy color 20.9618, 0.3266, 0.1573.



This preview shows how white text looks on a background with the Yxy color 20.9618, 0.3266, 0.1573.

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

20.9618, 0.3266, 0.1573

Protanopia

22.0104, 0.1786, 0.1513

Deuteranopia

21.6884, 0.2119, 0.2057



Tritanopia

21.2772, 0.4872, 0.3227

Trichromacy



Original Color

20.9618, 0.3266, 0.1573



Protanomaly

14.9458, 0.1961, 0.1195



Deuteranomaly

15.8061, 0.2371, 0.1523



Tritanomaly

19.1663, 0.4318, 0.2415

Monochromacy



Original Color

20.9618, 0.3266, 0.1573



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5384, 0.3220, 0.2000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9618, 0.3266, 0.1573 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(224, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 219)  
}
```

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(224, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 219) }
```

Border

The CSS property to change the border of an element to Yxy 20.9618, 0.3266, 0.1573 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(224, 0, 219) }
```

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

```
.border{ border-color:rgb(224, 0, 219) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9618, 0.3266, 0.1573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 219) }
```

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

```
.background{ background-color: rgb(224, 0,  
219) }
```

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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