

Converting Colors

$Y_{xy}(21.0545, 0.3265, 0.1572)$

Have a look what the booklet for
Yxy(21.0545, 0.3265, 0.1572)
contains.

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Color

Yxy(21.0146, 0.3255, 0.1567)

Conversions

Conversions Part 1

Format	Color
Hex	E000DC
RGB	224, 0, 220
RGB Percent	88%, 0%, 86%
CMY	0.1216, 0.9991, 0.1374
CMYK	0.00, 1.00, 0.02, 0.12
HSL	301°, 100%, 44%
HSV	301°, 100%, 88%
XYZ	43.6519, 21.0146, 69.4407
YIQ	92.0560, 62.8840, 115.9080

Conversions

Conversions Part 2

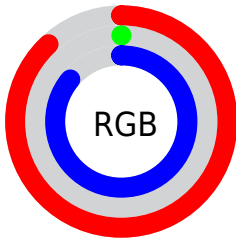
Format	Color
R_{YB}	224, 0, 220
Decimal	14680284
CIE _{Lab}	52.97, 88.50, -53.25
CIE _{LCh}	53, 103.285, 328.967
Yxy	21.0146, 0.3255, 0.1567
Android (android.graphics.Color)	4292870364 (0xFFE000DC)
YUV	92.0560, 63.0764, 115.7149
Hunter-Lab	45.8417, 89.7504, -57.7230

Details

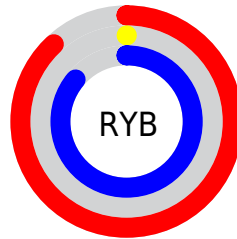
The Yxy color **21.0146, 0.3255, 0.1567** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **53.3157, 0.2998, 0.5990**, and the grayscale version is **10.5868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.5728, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **21.0106, 0.3255, 0.1567**, and if you desaturate by 10%, it is **21.6299, 0.3249, 0.1597**.

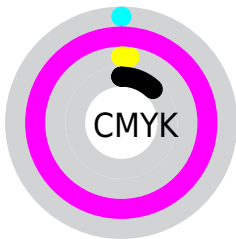
Distribution



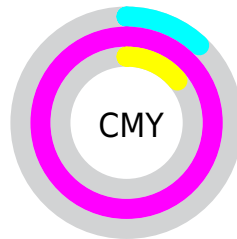
- Red (88%)
- Green (0%)
- Blue (86%)



- 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 21.0146, 0.3255, 0.1567 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 21.0146, 0.3255, 0.1567 by changing the saturation by 10% instead.


 21.0146, 0.3255,
0.1567


 21.0146, 0.3255,
0.1567


257.3561, 0.3240,
0.2368


 13.1347, 0.3243,
0.1392


 45.1118, 0.3261,
0.1840

 7.5214, 0.3220,
0.1185


 62.0979, 0.3260,
0.1948

 3.7902, 0.3176,
0.0938


 82.8882, 0.3258,
0.2042

 1.5569, 0.3090,
0.0652

 107.8671, 0.3255,
0.2124

 0.3283, 0.2950,
0.0258

 137.4189, 0.3251,
0.2196

 0.0000, 0.2615,
0.0000

 171.9280, 0.3248,

 0.0000, 0.1656,

0.2260

0.0000

211.7790, 0.3244,
0.2317

■ 0.0000, 0.0000,
0.0000

■ 21.0146, 0.3255,
0.1567

■ 21.0146, 0.3255,
0.1567

■ 21.0106, 0.3255,
0.1567

■ 21.6299, 0.3249,
0.1597

■ 22.9317, 0.3240,
0.1662

■ 25.1390, 0.3230,
0.1771

■ 28.3777, 0.3217,
0.1922

■ 32.7536, 0.3203,
0.2109

■ 38.3597, 0.3188,
0.2326

■ 45.2791, 0.3172,
0.2561

■ 53.5879, 0.3157,
0.2806

■ 63.3563, 0.3141,
0.3052

Harmonies

Analogous

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



21.0146, 0.1793, 0.1183



21.0146, 0.3255, 0.1567



21.0146, 0.5206, 0.2239

Triad

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



21.0146, 0.3255, 0.1567



21.0146, 0.4920, 0.5080



21.0146, 0.0721, 0.2251

Complementary

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



21.0146, 0.3255, 0.1567



53.3157, 0.2998, 0.5990

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.



21.0146, 0.1147, 0.4343



21.0146, 0.3255, 0.1567



21.0146, 0.3528, 0.6451

Square

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



21.0146, 0.3255, 0.1567



21.0146, 0.6069, 0.3895



21.0146, 0.2177, 0.6611



21.0146, 0.0720, 0.1369

Rectangle

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



21.0146, 0.3255, 0.1567



21.0146, 0.6138, 0.2754



21.0146, 0.2177, 0.6611



21.0146, 0.0803, 0.2791

Sweetspot

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



21.0156, 0.3255, 0.1567



60.4318, 0.3173, 0.2553



5.4114, 0.1505, 0.0603



12.0488, 0.3179, 0.2452



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.



21.0156, 0.3255, 0.1567



28.1882, 0.3255, 0.1567



16.9409, 0.5055, 0.2559



13.9312, 0.3141, 0.3063



12.2331, 0.3254, 0.1566



0.8493, 0.3247, 0.1562

Inverse Universe

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



21.0156, 0.3255, 0.1567



28.1882, 0.3255, 0.1567



54.5635, 0.2714, 0.4970



13.9312, 0.3141, 0.3063



12.2331, 0.3254, 0.1566



0.8493, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 21.0146, 0.3255, 0.1567 looks on a white background.

Color Contrast Check

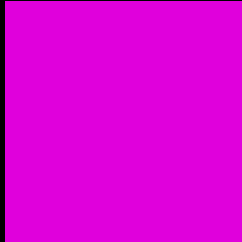
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0146, 0.3255, 0.1567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

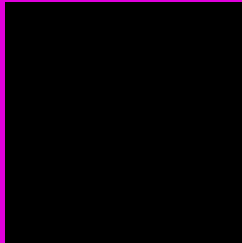
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0146, 0.3255, 0.1567

Background



This preview shows how black text looks on a background with the Yxy color 21.0146, 0.3255, 0.1567.



This preview shows how white text looks on a background with the Yxy color 21.0146, 0.3255, 0.1567.

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

21.0146, 0.3255, 0.1567

Protanopia

22.0286, 0.1788, 0.1514

Deuteranopia

21.6927, 0.2109, 0.2044



Tritanopia

21.1299, 0.4861, 0.3226

Trichromacy



Original Color

21.0146, 0.3255, 0.1567



Protanomaly

15.0060, 0.1968, 0.1198



Deuteranomaly

15.7746, 0.2354, 0.1511



Tritanomaly

19.0435, 0.4288, 0.2398

Monochromacy



Original Color

21.0146, 0.3255, 0.1567



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5675, 0.3204, 0.1987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0146, 0.3255, 0.1567 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, 220)` looks like.

```
.text, #text, p{  
  color:rgb(224, 0, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 220) }
```

Border

The CSS property to change the border of an element to Yxy 21.0146, 0.3255, 0.1567 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, 220) }
```

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

```
.border{ border-color:rgb(224, 0, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 220);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0146, 0.3255, 0.1567 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, 220) }
```

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

```
.background{ background-color: rgb(224, 0,  
220) }
```

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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