

Converting Colors

$Yxy(20.9105, 0.3568, 0.1739)$

Have a look what the booklet for
Yxy(20.9105, 0.3568, 0.1739)
contains.

Yxy(20.9931, 0.3574, 0.1742)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9931, 0.3574, 0.1742)

Conversions

Conversions Part 1

Format	Color
Hex	E600C8
RGB	230, 0, 200
RGB Percent	90%, 0%, 78%
CMY	0.0979, 1.0000, 0.2155
CMYK	0.00, 1.00, 0.13, 0.10
HSL	308°, 100%, 45%
HSV	308°, 100%, 90%
XYZ	43.0708, 20.9931, 56.4476
YIQ	91.5700, 72.8800, 110.9600

Conversions

Conversions Part 2

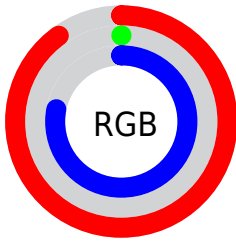
Format	Color
R_{YB}	230, 0, 200
Decimal	15073480
CIE _{Lab}	52.94, 86.88, -41.80
CIE _{LCh}	53, 96.416, 334.307
Yxy	20.9931, 0.3574, 0.1742
Android (android.graphics.Color)	4293263560 (0xFFE600C8)
YUV	91.5700, 53.4560, 121.4031
Hunter-Lab	45.8182, 87.6146, -40.9719

Details

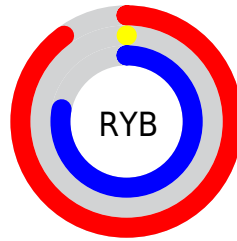
The Yxy color **20.9931, 0.3574, 0.1742** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **56.7089, 0.2976, 0.5912**, and the grayscale version is **10.4654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.4794, 0.3601, 0.1757** is the 20% darker color. If you saturate the color by 10%, you get **21.0012, 0.3574, 0.1742**, and if you desaturate by 10%, it is **21.7559, 0.3530, 0.1756**.

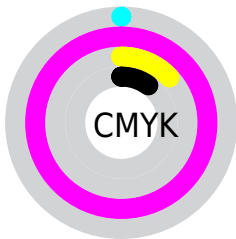
Distribution



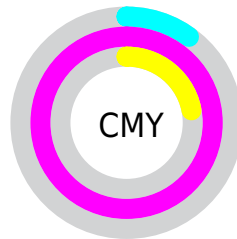
- Red (90%)
- Green (0%)
- Blue (78%)



- Red (90%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9931, 0.3574, 0.1742 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 20.9931, 0.3574, 0.1742 by changing the saturation by 10% instead.


 20.9931, 0.3574,
0.1742


 20.9931, 0.3574,
0.1742


257.2418, 0.3377,
0.2483


 13.1190, 0.3613,
0.1573


 45.0761, 0.3510,
0.2001


 7.5105, 0.3656,
0.1367

 62.0536, 0.3483,
0.2101

 3.7834, 0.3702,
0.1114


 82.8345, 0.3460,
0.2188

 1.5531, 0.3743,
0.0807

 107.8031, 0.3440,
0.2263

 0.3257, 0.3798,
0.0340

 137.3437, 0.3421,
0.2328

 0.0000, 0.3705,
0.0000

 171.8407, 0.3405,

 0.0000, 0.2735,

0.2386

0.0000

211.6787, 0.3390,
0.2437

■ 0.0000, 0.0000,
0.0000

■ 20.9931, 0.3574,
0.1742

■ 20.9931, 0.3574,
0.1742

■ 21.0012, 0.3574,
0.1742

■ 21.7559, 0.3530,
0.1756

■ 23.2420, 0.3482,
0.1808

■ 25.6923, 0.3433,
0.1905

■ 29.2417, 0.3382,
0.2045

■ 34.0035, 0.3331,
0.2219

■ 40.0769, 0.3283,
0.2419

■ 47.5511, 0.3238,
0.2634

■ 56.5071, 0.3196,
0.2856

■ 67.0201, 0.3160,
0.3076

Harmonies

Analogous

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



20.9931, 0.2058, 0.1308



20.9931, 0.3574, 0.1742



20.9931, 0.5368, 0.2436

Triad

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



20.9931, 0.3574, 0.1742



20.9931, 0.4688, 0.5312



20.9931, 0.0786, 0.2109

Complementary

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



20.9931, 0.3574, 0.1742



56.7089, 0.2976, 0.5912

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.



20.9931, 0.1134, 0.3854



20.9931, 0.3574, 0.1742



20.9931, 0.3330, 0.6421

Square

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



20.9931, 0.3574, 0.1742



20.9931, 0.5816, 0.4123



20.9931, 0.2062, 0.6122



20.9931, 0.0832, 0.1379

Rectangle

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



20.9931, 0.3574, 0.1742



20.9931, 0.6100, 0.2950



20.9931, 0.2062, 0.6122



20.9931, 0.0848, 0.2553

Sweetspot

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



21.0012, 0.3574, 0.1742



59.8941, 0.3238, 0.2630



5.9462, 0.1536, 0.0620



11.9181, 0.3257, 0.2538



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.



21.0012, 0.3574, 0.1742



26.5201, 0.3576, 0.1744



17.5370, 0.5480, 0.2793



14.5812, 0.3158, 0.3088



11.8982, 0.3567, 0.1739



0.8883, 0.3507, 0.1706

Inverse Universe

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



21.0012, 0.3574, 0.1742



26.5201, 0.3576, 0.1744



58.5639, 0.2616, 0.4617



14.5812, 0.3158, 0.3088



11.8982, 0.3567, 0.1739



0.8883, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 20.9931, 0.3574, 0.1742 looks on a white background.

Color Contrast Check

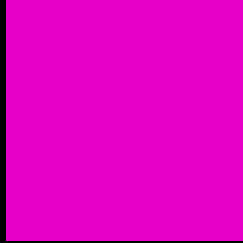
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9931, 0.3574, 0.1742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

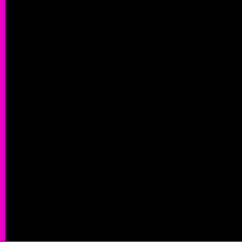
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9931, 0.3574, 0.1742

Background



This preview shows how black text looks on a background with the Yxy color 20.9931, 0.3574, 0.1742.



This preview shows how white text looks on a background with the Yxy color 20.9931, 0.3574, 0.1742.

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

20.9931, 0.3574, 0.1742

Protanopia

22.0666, 0.1792, 0.1515

Deuteranopia

21.6931, 0.2354, 0.2295



Tritanopia

21.2766, 0.5136, 0.3255

Trichromacy



Original Color

20.9931, 0.3574, 0.1742



Protanomaly

14.7783, 0.2016, 0.1242



Deuteranomaly

16.0802, 0.2684, 0.1737



Tritanomaly

19.4755, 0.4622, 0.2548

Monochromacy



Original Color

20.9931, 0.3574, 0.1742



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5174, 0.3367, 0.2106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9931, 0.3574, 0.1742 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(230, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 200)  
}
```

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(230, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 200) }
```

Border

The CSS property to change the border of an element to Yxy 20.9931, 0.3574, 0.1742 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(230, 0, 200) }
```

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

```
.border{ border-color:rgb(230, 0, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9931, 0.3574, 0.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 200) }
```

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

```
.background{ background-color: rgb(230, 0,  
200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor