

Converting Colors

$Y_{xy}(20.4691, 0.3403, 0.1648)$

Have a look what the booklet for
Yxy(20.4691, 0.3403, 0.1648)
contains.

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Color

Yxy(20.4014, 0.3399, 0.1646)

Conversions

Conversions Part 1

Format	Color
Hex	E000D0
RGB	224, 0, 208
RGB Percent	88%, 0%, 82%
CMY	0.1216, 1.0000, 0.1842
CMYK	0.00, 1.00, 0.07, 0.12
HSL	304°, 100%, 44%
HSV	304°, 100%, 88%
XYZ	42.1290, 20.4014, 61.4149
YIQ	90.6880, 66.7360, 112.1760

Conversions

Conversions Part 2

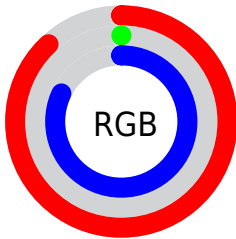
Format	Color
RYB	224, 0, 208
Decimal	14680272
CIELab	52.29, 86.88, -47.51
CIElCh	52, 99.024, 331.329
Yxy	20.4014, 0.3399, 0.1646
Android (android.graphics.Color)	4292870352 (0xFFE000D0)
YUV	90.6880, 57.8348, 116.9146
Hunter-Lab	45.1679, 87.4467, -48.9992

Details

The Yxy color **20.4014, 0.3399, 0.1646** 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 **53.3489, 0.2990, 0.5962**, and the grayscale version is **10.2440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **10.1924, 0.3383, 0.1637** is the 20% darker color. If you saturate the color by 10%, you get **20.4032, 0.3399, 0.1646**, and if you desaturate by 10%, it is **21.0714, 0.3376, 0.1669**.

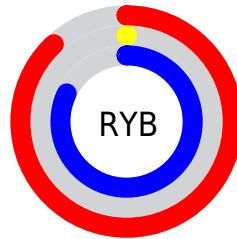
Distribution



Red (88%)

Green (0%)

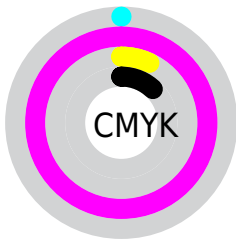
Blue (82%)



Red (88%)

Yellow (0%)

Blue (82%)

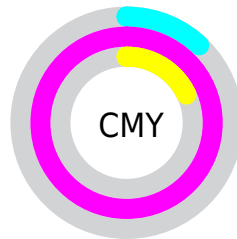


Cyan (0%)

Magenta (100%)

Yellow (7%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4014, 0.3399, 0.1646 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 20.4014, 0.3399, 0.1646 by changing the saturation by 10% instead.


 20.4014, 0.3399,
0.1646


 20.4014, 0.3399,
0.1646


254.0799, 0.3302,
0.2425


 12.6872, 0.3410,
0.1472


 44.0891, 0.3374,
0.1915

 7.2135, 0.3415,
0.1262

 60.8314, 0.3361,
0.2021

 3.5960, 0.3408,
0.1008


 81.3519, 0.3349,
0.2112

 1.4502, 0.3374,
0.0707

 106.0348, 0.3338,
0.2191

 0.2533, 0.3316,
0.0243

 135.2647, 0.3328,
0.2260

 0.0000, 0.3038,
0.0000

 169.4259, 0.3319,

 0.0000, 0.1760,

0.2321

0.0000

208.9029, 0.3310,
0.2376

■ 0.0000, 0.0000,
0.0000

■ 20.4014, 0.3399,
0.1646

■ 20.4014, 0.3399,
0.1646

■ 20.4032, 0.3399,
0.1646

■ 21.0714, 0.3376,
0.1669

■ 22.4236, 0.3351,
0.1729

■ 24.6807, 0.3323,
0.1833

■ 27.9691, 0.3293,
0.1978

■ 32.3946, 0.3263,
0.2160

■ 38.0502, 0.3232,
0.2369

■ 45.0194, 0.3203,
0.2594

■ 53.3782, 0.3175,
0.2828

■ 63.1968, 0.3150,
0.3062

Harmonies

Analogous

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



20.4014, 0.1911, 0.1240



20.4014, 0.3399, 0.1646



20.4014, 0.5282, 0.2329

Triad

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



20.4014, 0.3399, 0.1646



20.4014, 0.4814, 0.5186



20.4014, 0.0752, 0.2185

Complementary

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



20.4014, 0.3399, 0.1646



53.3489, 0.2990, 0.5962

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.



20.4014, 0.1143, 0.4112



20.4014, 0.3399, 0.1646



20.4014, 0.3438, 0.6439

Square

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



20.4014, 0.3399, 0.1646



20.4014, 0.5956, 0.4000



20.4014, 0.2128, 0.6394



20.4014, 0.0770, 0.1374

Rectangle

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



20.4014, 0.3399, 0.1646



20.4014, 0.6122, 0.2843



20.4014, 0.2128, 0.6394



20.4014, 0.0824, 0.2679

Sweetspot

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



20.4032, 0.3399, 0.1646



60.1739, 0.3204, 0.2589



5.4828, 0.1517, 0.0609



11.9860, 0.3216, 0.2492



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.



20.4032, 0.3399, 0.1646



27.3643, 0.3400, 0.1647



16.7117, 0.5270, 0.2677



13.9179, 0.3149, 0.3075



11.8833, 0.3396, 0.1644



0.8288, 0.3364, 0.1627

Inverse Universe

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



20.4032, 0.3399, 0.1646



27.3643, 0.3400, 0.1647



54.8421, 0.2665, 0.4796



13.9179, 0.3149, 0.3075



11.8833, 0.3396, 0.1644



0.8288, 0.3364, 0.1627

Previews

White Background



This preview shows how the Yxy color 20.4014, 0.3399, 0.1646 looks on a white background.

Color Contrast Check

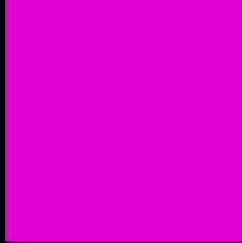
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4014, 0.3399, 0.1646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

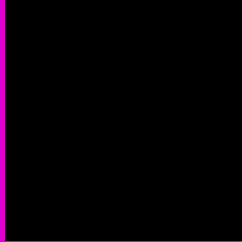
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4014, 0.3399, 0.1646

Background



This preview shows how black text looks on a background with the Yxy color 20.4014, 0.3399, 0.1646.



This preview shows how white text looks on a background with the Yxy color 20.4014, 0.3399, 0.1646.

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

20.4014, 0.3399, 0.1646

Protanopia

21.3721, 0.1765, 0.1482

Deuteranopia

21.0860, 0.2223, 0.2168



Tritanopia

20.7198, 0.4987, 0.3240

Trichromacy



Original Color

20.4014, 0.3399, 0.1646



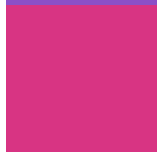
Protanomaly

14.2745, 0.1942, 0.1190



Deuteranomaly

15.3964, 0.2502, 0.1609



Tritanomaly

18.6936, 0.4448, 0.2471

Monochromacy



Original Color

20.4014, 0.3399, 0.1646



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.2363, 0.3269, 0.2033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4014, 0.3399, 0.1646 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, 208)` looks like.

```
.text, #text, p{  
  color:rgb(224, 0, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 208) }
```

Border

The CSS property to change the border of an element to Yxy 20.4014, 0.3399, 0.1646 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, 208) }
```

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

```
.border{ border-color:rgb(224, 0, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 208);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4014, 0.3399, 0.1646 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, 208) }
```

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

```
.background{ background-color: rgb(224, 0,  
208) }
```

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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