

Converting Colors

$Y_{xy}(21.4971, 0.3168, 0.1519)$

Have a look what the booklet for
Yxy(21.4971, 0.3168, 0.1519)
contains.

| | |
|--|----|
| Yxy(21.4487, 0.3165, 0.1517) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(21.4487, 0.3165, 0.1517)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E000E4 |
| RGB | 224, 0, 228 |
| RGB Percent | 88%, 0%, 89% |
| CMY | 0.1215, 1.0000, 0.1058 |
| CMYK | 0.02, 1.00, 0.00, 0.11 |
| HSL | 299°, 100%, 45% |
| HSV | 299°, 100%, 89% |
| XYZ | 44.7496, 21.4487, 75.1906 |
| YIQ | 92.9680, 60.3160, 118.3960 |

Conversions

Conversions Part 2

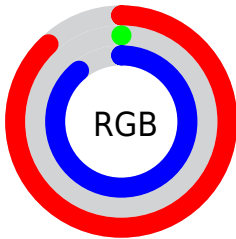
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 224, 0, 228 |
| Decimal | 14680292 |
| CIE _{Lab} | 53.44, 89.68, -57.06 |
| CIE _{LCh} | 53, 106.290, 327.532 |
| Yxy | 21.4487, 0.3165, 0.1517 |
| Android (android.graphics.Color) | 4292870372 (0xFFE000E4) |
| YUV | 92.9680, 66.5708, 114.9151 |
| Hunter-Lab | 46.3127, 91.4280, -63.8408 |

Details

The Yxy color **21.4487, 0.3165, 0.1517** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **55.5207, 0.3003, 0.5998**, and the grayscale version is **10.7720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.8711, 0.3094, 0.1478** is the 20% darker color. If you saturate the color by 10%, you get **21.4525, 0.3165, 0.1517**, and if you desaturate by 10%, it is **22.1214, 0.3168, 0.1551**.

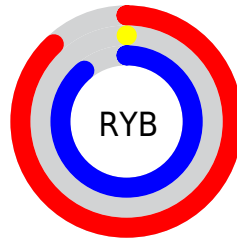
Distribution



Red (88%)

Green (0%)

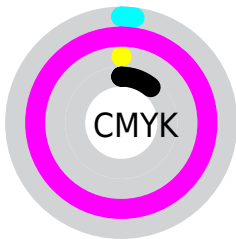
Blue (89%)



Red (88%)

Yellow (0%)

Blue (89%)

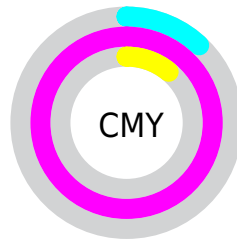


Cyan (2%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (100%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4487, 0.3165, 0.1517 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 21.4487, 0.3165, 0.1517 by changing the saturation by 10% instead.


 21.4487, 0.3165,
0.1517


 21.4487, 0.3165,
0.1517


259.6536, 0.3201,
0.2331

 13.4524, 0.3140,
0.1343


 45.8331, 0.3190,
0.1792


 7.7408, 0.3101,
0.1137


 62.9900, 0.3196,
0.1902


 3.9295, 0.3035,
0.0896


 83.9692, 0.3199,
0.1997

 1.6342, 0.2924,
0.0619

 109.1551, 0.3201,
0.2080

 0.3805, 0.2744,
0.0263

 138.9321, 0.3202,
0.2154

 0.0000, 0.2389,
0.0000

173.6845, 0.3202,


 0.0000, 0.1567,


0.2220


0.0000


213.7969, 0.3201,
0.2278


 0.0000, 0.0000,
0.0000


 21.4487, 0.3165,
0.1517


 21.4487, 0.3165,
0.1517


 21.4525, 0.3165,
0.1517

 22.1214, 0.3168,
0.1551

 23.5037, 0.3170,
0.1621

 25.8281, 0.3170,
0.1734

 29.2266, 0.3168,
0.1889

 33.8100, 0.3164,
0.2082

■ 39.6754, 0.3158,
0.2303

■ 46.9099, 0.3152,
0.2543

■ 55.5930, 0.3144,
0.2794

■ 65.7981, 0.3136,
0.3045

Harmonies

Analogous

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



21.4487, 0.1720, 0.1147



21.4487, 0.3165, 0.1517



21.4487, 0.5158, 0.2182

Triad

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



21.4487, 0.3165, 0.1517



21.4487, 0.4987, 0.5013



21.4487, 0.0701, 0.2293

Complementary

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



21.4487, 0.3165, 0.1517



55.5207, 0.3003, 0.5998

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.



21.4487, 0.1148, 0.4497



21.4487, 0.3165, 0.1517



21.4487, 0.3569, 0.6431

Square

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



21.4487, 0.3165, 0.1517



21.4487, 0.6141, 0.3828



21.4487, 0.2202, 0.6745



21.4487, 0.0687, 0.1364

Rectangle

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



21.4487, 0.3165, 0.1517



21.4487, 0.6149, 0.2697



21.4487, 0.2202, 0.6745



21.4487, 0.0787, 0.2864

Sweetspot

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



21.4525, 0.3165, 0.1517



60.2667, 0.3152, 0.2539



5.7672, 0.1505, 0.0616



12.0085, 0.3155, 0.2435



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.



21.4525, 0.3165, 0.1517



27.6423, 0.3165, 0.1517



17.8918, 0.4845, 0.2443



14.6017, 0.3135, 0.3058



12.3915, 0.3166, 0.1518



0.9198, 0.3172, 0.1521

Inverse Universe

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



16.5051, 0.6386, 0.3292



21.2698, 0.6388, 0.3293



56.5440, 0.2762, 0.5142



14.3721, 0.3290, 0.3286



9.5311, 0.6381, 0.3289



0.7058, 0.6327, 0.3259

Previews

White Background



This preview shows how the Yxy color 21.4487, 0.3165, 0.1517 looks on a white background.

Color Contrast Check

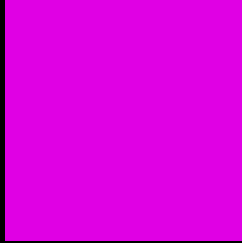
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4487, 0.3165, 0.1517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

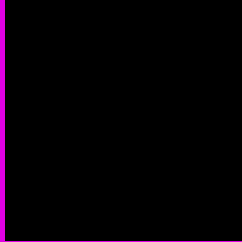
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4487, 0.3165, 0.1517

Background



This preview shows how black text looks on a background with the Yxy color 21.4487, 0.3165, 0.1517.



This preview shows how white text looks on a background with the Yxy color 21.4487, 0.3165, 0.1517.

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

21.4487, 0.3165, 0.1517

Protanopia

22.3795, 0.1801, 0.1530

Deuteranopia

22.2368, 0.2045, 0.1989



Tritanopia

21.6939, 0.4776, 0.3236

Trichromacy



Original Color

21.4487, 0.3165, 0.1517



Protanomaly

15.5180, 0.1978, 0.1202



Deuteranomaly

15.8902, 0.2264, 0.1452



Tritanomaly

19.2056, 0.4203, 0.2364

Monochromacy



Original Color

21.4487, 0.3165, 0.1517



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7436, 0.3174, 0.1956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4487, 0.3165, 0.1517 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 228) }
```

Border

The CSS property to change the border of an element to Yxy 21.4487, 0.3165, 0.1517 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, 228) }
```

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

```
.border{ border-color:rgb(224, 0, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4487, 0.3165, 0.1517 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, 228) }
```

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

```
.background{ background-color: rgb(224, 0,  
228) }
```

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