

Converting Colors

$Y_{xy}(22.2218, 0.3175, 0.1555)$

Have a look what the booklet for
Yxy(22.2218, 0.3175, 0.1555)
contains.

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Color

Yxy(22.2218, 0.3175, 0.1555)

Conversions

Conversions Part 1

Format	Color
Hex	E117E4
RGB	225, 23, 228
RGB Percent	88%, 9%, 89%
CMY	0.1175, 0.9105, 0.1058
CMYK	0.01, 0.90, 0.00, 0.11
HSL	299°, 82%, 49%
HSV	299°, 90%, 89%
XYZ	45.3725, 22.2218, 75.3112
YIQ	106.7680, 54.5870, 106.5790

Conversions

Conversions Part 2

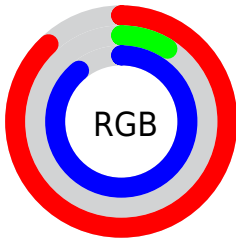
Format	Color
R _Y B	225, 23, 228
Decimal	14751716
CIE Lab	54.26, 87.92, -55.73
CIE LCh	54, 104.095, 327.629
Yxy	22.2218, 0.3175, 0.1555
Android (android.graphics.Color)	4292941796 (0xFFE117E4)
YUV	106.7680, 59.7674, 103.6895
Hunter-Lab	47.1400, 89.3121, -61.7241

Details

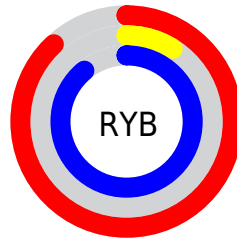
The Yxy color **22.2218, 0.3175, 0.1555** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **55.7764, 0.3008, 0.5923**, and the grayscale version is **14.4321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **10.9779, 0.3108, 0.1486** is the 20% darker color. If you saturate the color by 10%, you get **21.5641, 0.3173, 0.1521**, and if you desaturate by 10%, it is **23.5956, 0.3176, 0.1624**.

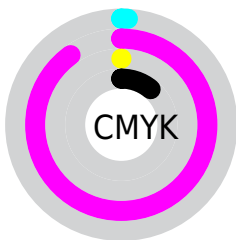
Distribution



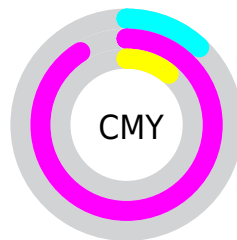
- Red (88%)
- Green (9%)
- Blue (89%)



- Red (88%)
- Yellow (9%)
- Blue (89%)



- Cyan (1%)
- Magenta (90%)
- Yellow (0%)
- Black (11%)





- Cyan (12%)
- Magenta (91%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2218, 0.3175, 0.1555 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 22.2218, 0.3175, 0.1555 by changing the saturation by 10% instead.


 22.2218, 0.3175,
0.1555


 22.2218, 0.3175,
0.1555


263.7024, 0.3203,
0.2352

 14.0200, 0.3153,
0.1383


 47.1123, 0.3197,
0.1825


 8.1346, 0.3117,
0.1180


 64.5698, 0.3201,
0.1933


 4.1812, 0.3058,
0.0941


 85.8812, 0.3204,
0.2026

 1.7754, 0.2955,
0.0663

 111.4311, 0.3205,
0.2108

 0.4718, 0.2783,
0.0321

 141.6038, 0.3205,
0.2180

 0.0000, 0.2457,
0.0000

176.7836, 0.3205,


 0.0000, 0.1688,


0.2244


0.0000


217.3550, 0.3204,
0.2301


 0.0000, 0.0000,
0.0000


 22.2218, 0.3175,
0.1555

 22.2218, 0.3175,
0.1555

 21.5641, 0.3173,
0.1521

 23.5956, 0.3176,
0.1624

 21.5633, 0.3173,
0.1521

 25.9108, 0.3175,
0.1737

 29.3002, 0.3172,
0.1891

 33.8747, 0.3167,
0.2083

 39.7314, 0.3161,
0.2304

■ 46.9573, 0.3153,
0.2544

■ 55.6320, 0.3145,
0.2794

■ 65.8287, 0.3136,
0.3045

■ 77.6160, 0.3127,
0.3290

Harmonies

Analogous

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



22.2218, 0.1757, 0.1186



22.2218, 0.3175, 0.1555



22.2218, 0.5106, 0.2216

Triad

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



22.2218, 0.3175, 0.1555



22.2218, 0.4979, 0.5021



22.2218, 0.0744, 0.2327

Complementary

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



22.2218, 0.3175, 0.1555



55.7764, 0.3008, 0.5923

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.



22.2218, 0.1198, 0.4453



22.2218, 0.3175, 0.1555



22.2218, 0.3599, 0.6375

Square

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



22.2218, 0.3175, 0.1555



22.2218, 0.6079, 0.3853



22.2218, 0.2248, 0.6618



22.2218, 0.0726, 0.1406

Rectangle

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



22.2218, 0.3175, 0.1555



22.2218, 0.6068, 0.2729



22.2218, 0.2248, 0.6618



22.2218, 0.0833, 0.2883

Sweetspot

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



22.2228, 0.3175, 0.1555



63.4719, 0.3151, 0.2614



6.5329, 0.1548, 0.0687



12.8182, 0.3154, 0.2529



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.



22.2228, 0.3175, 0.1555



27.7843, 0.3172, 0.1521



18.6845, 0.4687, 0.2415



14.6040, 0.3136, 0.3058



12.4538, 0.3173, 0.1522



0.9237, 0.3179, 0.1525

Inverse Universe

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



17.1773, 0.6220, 0.3288



21.2681, 0.6390, 0.3294



57.0836, 0.2714, 0.4901



14.3714, 0.3290, 0.3287



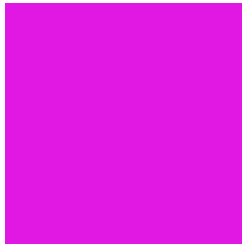
9.5299, 0.6385, 0.3291



0.7054, 0.6339, 0.3266

Previews

White Background



This preview shows how the Yxy color 22.2218, 0.3175, 0.1555 looks on a white background.

Color Contrast Check

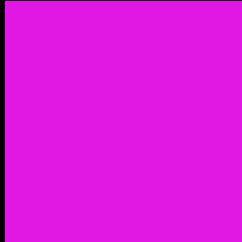
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2218, 0.3175, 0.1555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

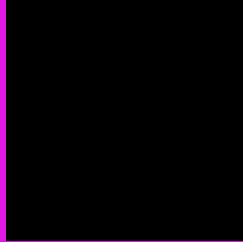
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2218, 0.3175, 0.1555

Background



This preview shows how black text looks on a background with the Yxy color 22.2218, 0.3175, 0.1555.



This preview shows how white text looks on a background with the Yxy color 22.2218, 0.3175, 0.1555.

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

22.2218, 0.3175, 0.1555

Protanopia

22.7947, 0.1820, 0.1549

Deuteranopia

22.7167, 0.2064, 0.2000



Tritanopia

22.1941, 0.4760, 0.3225

Trichromacy



Original Color

22.2218, 0.3175, 0.1555



Protanomaly

17.0827, 0.2027, 0.1293



Deuteranomaly

17.6469, 0.2300, 0.1555



Tritanomaly

20.5397, 0.4172, 0.2422

Monochromacy



Original Color

22.2218, 0.3175, 0.1555



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.8873, 0.3168, 0.2120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2218, 0.3175, 0.1555 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(225, 23, 228)` looks like.

```
.text, #text, p{  
    color:rgb(225, 23, 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(225, 23, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 23, 228) }
```

Border

The CSS property to change the border of an element to Yxy 22.2218, 0.3175, 0.1555 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(225, 23, 228) }
```

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

```
.border{ border-color:rgb(225, 23, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 23, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 23, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 23, 228);  
box-shadow:4px 4px 4px 4px rgb(225, 23,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2218, 0.3175, 0.1555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 23, 228) }
```

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

```
.background{ background-color: rgb(225, 23,  
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](#).

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