

Converting Colors

$Y_{xy}(22.2686, 0.3240, 0.1559)$

Have a look what the booklet for
Yxy(22.2686, 0.3240, 0.1559)
contains.

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Color

Yxy(22.2041, 0.3231, 0.1554)

Conversions

Conversions Part 1

Format	Color
Hex	E500E3
RGB	229, 0, 227
RGB Percent	90%, 0%, 89%
CMY	0.1021, 0.9983, 0.1099
CMYK	0.00, 1.00, 0.01, 0.10
HSL	301°, 100%, 45%
HSV	301°, 100%, 90%
XYZ	46.1657, 22.2041, 74.5138
YIQ	94.3490, 63.6170, 119.1450

Conversions

Conversions Part 2

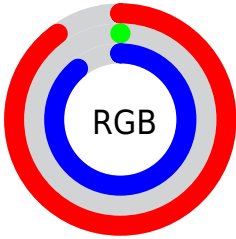
Format	Color
R_{YB}	229, 0, 227
Decimal	15007971
CIE _{Lab}	54.24, 90.26, -55.14
CIE _{LCh}	54, 105.772, 328.581
Yxy	22.2041, 0.3231, 0.1554
Android (android.graphics.Color)	4293198051 (0xFFE500E3)
YUV	94.3490, 65.3969, 118.0889
Hunter-Lab	47.1212, 92.4181, -60.7716

Details

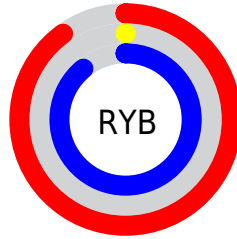
The Yxy color **22.2041, 0.3231, 0.1554** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **56.0223, 0.2999, 0.5995**, and the grayscale version is **11.1696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **11.2651, 0.3166, 0.1518** is the 20% darker color. If you saturate the color by 10%, you get **22.1957, 0.3231, 0.1554**, and if you desaturate by 10%, it is **22.8324, 0.3227, 0.1585**.

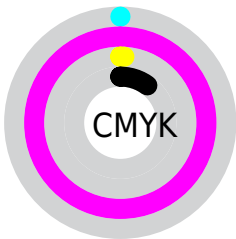
Distribution



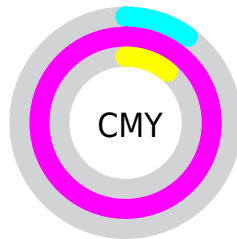
- Red (90%)
- Green (0%)
- Blue (89%)



- Red (90%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2041, 0.3231, 0.1554 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 22.2041, 0.3231, 0.1554 by changing the saturation by 10% instead.


 22.2041, 0.3231,
0.1554


 22.2041, 0.3231,
0.1554


263.6103, 0.3230,
0.2351

 14.0069, 0.3216,
0.1383


 47.0831, 0.3242,
0.1824

 8.1255, 0.3189,
0.1180


 64.5337, 0.3243,
0.1931

 4.1754, 0.3141,
0.0940


 85.8376, 0.3242,
0.2025

 1.7721, 0.3053,
0.0663

 111.3792, 0.3241,
0.2106

 0.4697, 0.2902,
0.0320

 141.5429, 0.3238,
0.2178

 0.0000, 0.2602,
0.0000

176.7130, 0.3236,


 0.0000, 0.1894,


0.2242


0.0000


217.2740, 0.3233,
0.2300


 0.0000, 0.0000,
0.0000


 22.2041, 0.3231,
0.1554


 22.2041, 0.3231,
0.1554


 22.1957, 0.3231,
0.1554

 22.8324, 0.3227,
0.1585

 24.1886, 0.3222,
0.1651

 26.4986, 0.3214,
0.1760

 29.8950, 0.3204,
0.1912

 34.4897, 0.3193,
0.2101

■ 40.3804, 0.3180,
0.2319

■ 47.6551, 0.3167,
0.2556

■ 56.3938, 0.3153,
0.2803

■ 66.6707, 0.3140,
0.3052

Harmonies

Analogous

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



22.2041, 0.1774, 0.1174



22.2041, 0.3231, 0.1554



22.2041, 0.5193, 0.2224

Triad

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



22.2041, 0.3231, 0.1554



22.2041, 0.4938, 0.5062



22.2041, 0.0716, 0.2263

Complementary

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



22.2041, 0.3231, 0.1554



56.0223, 0.2999, 0.5995

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.



22.2041, 0.1148, 0.4383



22.2041, 0.3231, 0.1554



22.2041, 0.3540, 0.6447

Square

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



22.2041, 0.3231, 0.1554



22.2041, 0.6085, 0.3875



22.2041, 0.2184, 0.6646



22.2041, 0.0712, 0.1368

Rectangle

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



22.2041, 0.3231, 0.1554



22.2041, 0.6140, 0.2739



22.2041, 0.2184, 0.6646



22.2041, 0.0799, 0.2810

Sweetspot

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



22.2051, 0.3231, 0.1554



60.4777, 0.3167, 0.2547



5.6666, 0.1501, 0.0601



12.0600, 0.3173, 0.2445



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.



22.2051, 0.3231, 0.1554



28.3391, 0.3231, 0.1554



17.8907, 0.4984, 0.2520



14.6130, 0.3139, 0.3060



12.6969, 0.3231, 0.1553



0.9390, 0.3227, 0.1552

Inverse Universe

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



22.2051, 0.3231, 0.1554



28.3391, 0.3231, 0.1554



57.2477, 0.2730, 0.5027



14.6130, 0.3139, 0.3060



12.6969, 0.3231, 0.1553



0.9390, 0.3227, 0.1552

Previews

White Background



This preview shows how the Yxy color 22.2041, 0.3231, 0.1554 looks on a white background.

Color Contrast Check

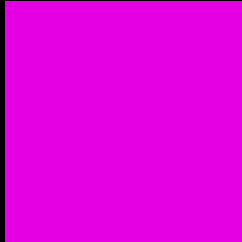
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2041, 0.3231, 0.1554 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 22.2041, 0.3231, 0.1554

Background



This preview shows how black text looks on a background with the Yxy color 22.2041, 0.3231, 0.1554.



This preview shows how white text looks on a background with the Yxy color 22.2041, 0.3231, 0.1554.

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

22.2041, 0.3231, 0.1554

Protanopia

23.1026, 0.1828, 0.1564

Deuteranopia

23.0121, 0.2091, 0.2041



Tritanopia

22.4181, 0.4846, 0.3227

Trichromacy



Original Color

22.2041, 0.3231, 0.1554



Protanomaly

16.1904, 0.2034, 0.1237



Deuteranomaly

16.4709, 0.2326, 0.1493



Tritanomaly

20.1251, 0.4276, 0.2395

Monochromacy



Original Color

22.2041, 0.3231, 0.1554



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.2499, 0.3204, 0.1988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2041, 0.3231, 0.1554 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(229, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 227)  
}
```

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(229, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 227) }
```

Border

The CSS property to change the border of an element to Yxy 22.2041, 0.3231, 0.1554 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(229, 0, 227) }
```

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

```
.border{ border-color:rgb(229, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2041, 0.3231, 0.1554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 227) }
```

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

```
.background{ background-color: rgb(229, 0,  
227) }
```

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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