

Converting Colors

$Y_{xy}(25.2088, 0.3234, 0.1555)$

Have a look what the booklet for
Yxy(25.2088, 0.3234, 0.1555)
contains.

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Color

Yxy(25.1685, 0.3230, 0.1553)

Conversions

Conversions Part 1

Format	Color
Hex	F200F0
RGB	242, 0, 240
RGB Percent	95%, 0%, 94%
CMY	0.0510, 0.9998, 0.0588
CMYK	0.00, 1.00, 0.01, 0.05
HSL	300°, 100%, 47%
HSV	300°, 100%, 95%
XYZ	52.3466, 25.1685, 84.5487
YIQ	99.7180, 67.1920, 125.9440

Conversions

Conversions Part 2

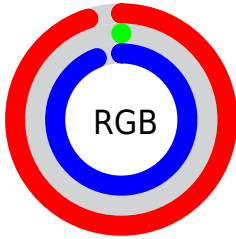
Format	Color
R_{YB}	242, 0, 240
Decimal	15859952
CIE _{Lab}	57.24, 94.16, -57.55
CIE _{LCh}	57, 110.356, 328.565
Yxy	25.1685, 0.3230, 0.1553
Android (android.graphics.Color)	4294050032 (0xFFFF200F0)
YUV	99.7180, 69.1590, 124.7813
Hunter-Lab	50.1682, 98.4563, -64.8039

Details

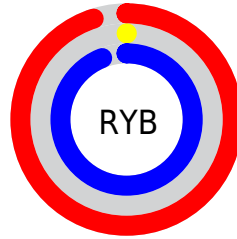
The Yxy color **25.1685, 0.3230, 0.1553** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **63.5069, 0.2999, 0.5996**, and the grayscale version is **12.4837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **13.2427, 0.3182, 0.1527** is the 20% darker color. If you saturate the color by 10%, you get **25.1688, 0.3230, 0.1553**, and if you desaturate by 10%, it is **25.8438, 0.3226, 0.1582**.

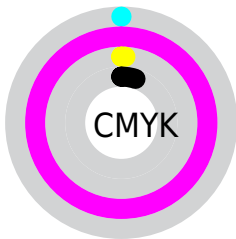
Distribution



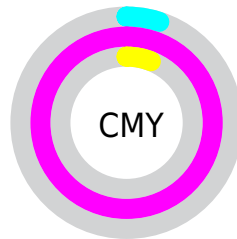
- Red (95%)
- Green (0%)
- Blue (94%)



- Red (95%)
- Yellow (0%)
- Blue (94%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1685, 0.3230, 0.1553 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 25.1685, 0.3230, 0.1553 by changing the saturation by 10% instead.


 25.1685, 0.3230,
0.1553


 25.1685, 0.3230,
0.1553


278.6760, 0.3231,
0.2332


 16.2026, 0.3216,
0.1389


 51.9304, 0.3241,
0.1814


 9.6677, 0.3191,
0.1197


 70.4953, 0.3242,
0.1918

 5.1792, 0.3147,
0.0971


 93.0287, 0.3242,
0.2009

 2.3528, 0.3070,
0.0710

 119.9148, 0.3240,
0.2090

 0.8014, 0.2930,
0.0421

 151.5383, 0.3238,
0.2161

 0.0000, 0.2712,
0.0000

188.2834, 0.3236,

 0.0000, 0.2191,

0.2224

0.0000

230.5345, 0.3233,
0.2281

■ 0.0000, 0.0000,
0.0000

■ 25.1685, 0.3230,
0.1553

■ 25.1685, 0.3230,
0.1553

■ 25.1688, 0.3230,
0.1553

■ 25.8438, 0.3226,
0.1582

■ 27.3424, 0.3221,
0.1647

■ 29.9220, 0.3213,
0.1755

■ 33.7357, 0.3204,
0.1905

■ 38.9120, 0.3193,
0.2094

■ 45.5634, 0.3180,
0.2311

■ 53.7908, 0.3167,
0.2549

■ 63.6859, 0.3153,
0.2797

■ 75.3338, 0.3140,
0.3047

Harmonies

Analogous

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



25.1685, 0.1773, 0.1173



25.1685, 0.3230, 0.1553



25.1685, 0.5193, 0.2223

Triad

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



25.1685, 0.3230, 0.1553



25.1685, 0.4938, 0.5062



25.1685, 0.0716, 0.2262

Complementary

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



25.1685, 0.3230, 0.1553



63.5069, 0.2999, 0.5996

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.



25.1685, 0.1147, 0.4385



25.1685, 0.3230, 0.1553



25.1685, 0.3533, 0.6435

Square

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



25.1685, 0.3230, 0.1553



25.1685, 0.6080, 0.3871



25.1685, 0.2184, 0.6649



25.1685, 0.0711, 0.1368

Rectangle

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



25.1685, 0.3230, 0.1553



25.1685, 0.6141, 0.2738



25.1685, 0.2184, 0.6649



25.1685, 0.0798, 0.2810

Sweetspot

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



25.1697, 0.3230, 0.1553



60.4798, 0.3167, 0.2547



6.4117, 0.1500, 0.0600



12.0605, 0.3173, 0.2444



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.



25.1697, 0.3230, 0.1553



28.3462, 0.3230, 0.1553



20.2584, 0.4995, 0.2525



16.0291, 0.3139, 0.3059



13.5224, 0.3230, 0.1553



1.1257, 0.3227, 0.1551

Inverse Universe

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



25.1697, 0.3230, 0.1553



28.3462, 0.3230, 0.1553



64.8834, 0.2732, 0.5036



16.0291, 0.3139, 0.3059



13.5224, 0.3230, 0.1553



1.1257, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 25.1685, 0.3230, 0.1553 looks on a white background.

Color Contrast Check

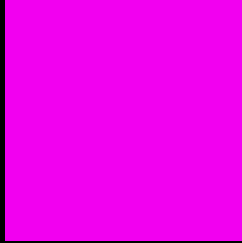
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1685, 0.3230, 0.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

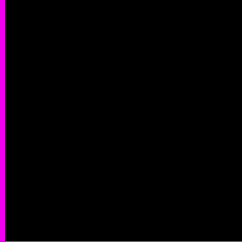
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1685, 0.3230, 0.1553

Background



This preview shows how black text looks on a background with the Yxy color 25.1685, 0.3230, 0.1553.



This preview shows how white text looks on a background with the Yxy color 25.1685, 0.3230, 0.1553.

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

25.1685, 0.3230, 0.1553

Protanopia

26.0438, 0.1926, 0.1694

Deuteranopia

25.8875, 0.2084, 0.2020



Tritanopia

25.2564, 0.4859, 0.3231

Trichromacy



Original Color

25.1685, 0.3230, 0.1553



Protanomaly

18.7919, 0.2165, 0.1324



Deuteranomaly

18.4998, 0.2322, 0.1478



Tritanomaly

22.6219, 0.4279, 0.2391

Monochromacy



Original Color

25.1685, 0.3230, 0.1553



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.5766, 0.3204, 0.1978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1685, 0.3230, 0.1553 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(242, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 240)  
}
```

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(242, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 240) }
```

Border

The CSS property to change the border of an element to Yxy 25.1685, 0.3230, 0.1553 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(242, 0, 240) }
```

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

```
.border{ border-color:rgb(242, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1685, 0.3230, 0.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 240) }
```

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

```
.background{ background-color: rgb(242, 0,  
240) }
```

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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