

Converting Colors

$Y_{xy}(25.6610, 0.3375, 0.1633)$

Have a look what the booklet for
Yxy(25.6610, 0.3375, 0.1633)
contains.

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Color

Yxy(25.6004, 0.3370, 0.1630)

Conversions

Conversions Part 1

Format	Color
Hex	F700E8
RGB	247, 0, 232
RGB Percent	97%, 0%, 91%
CMY	0.0314, 1.0000, 0.0900
CMYK	0.00, 1.00, 0.06, 0.03
HSL	304°, 100%, 48%
HSV	304°, 100%, 97%
XYZ	52.9284, 25.6004, 78.5288
YIQ	100.3010, 72.7400, 124.5160

Conversions

Conversions Part 2

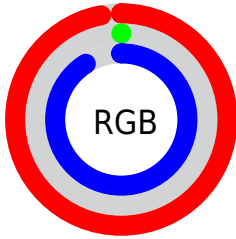
Format	Color
R_{YB}	247, 0, 232
Decimal	16187624
CIE _{Lab}	57.66, 93.88, -52.36
CIE _{LCh}	58, 107.493, 330.847
Yxy	25.6004, 0.3370, 0.1630
Android (android.graphics.Color)	4294377704 (0xFFFF700E8)
YUV	100.3010, 64.9276, 128.6550
Hunter-Lab	50.5968, 98.1811, -56.6033

Details

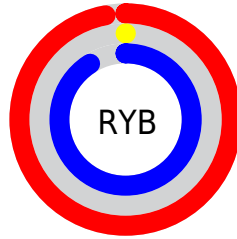
The Yxy color **25.6004, 0.3370, 0.1630** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **66.5569, 0.2992, 0.5972**, and the grayscale version is **12.6435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.5737, 0.3349, 0.1618** is the 20% darker color. If you saturate the color by 10%, you get **25.6032, 0.3370, 0.1630**, and if you desaturate by 10%, it is **26.3711, 0.3351, 0.1652**.

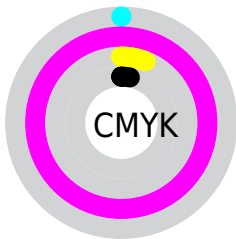
Distribution



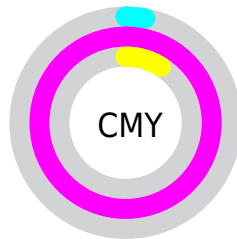
- Red (97%)
- Green (0%)
- Blue (91%)



- Red (97%)
- Yellow (0%)
- Blue (91%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6004, 0.3370, 0.1630 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 25.6004, 0.3370, 0.1630 by changing the saturation by 10% instead.


 25.6004, 0.3370,
0.1630


 25.6004, 0.3370,
0.1630


280.8149, 0.3294,
0.2383


 16.5249, 0.3376,
0.1469


 52.6296, 0.3353,
0.1884

 9.8964, 0.3376,
0.1278

 71.3521, 0.3343,
0.1985

 5.3303, 0.3366,
0.1052


 94.0591, 0.3334,
0.2073

 2.4423, 0.3333,
0.0785

 121.1349, 0.3325,
0.2150

 0.8475, 0.3253,
0.0483

 152.9641, 0.3317,
0.2219

 0.0000, 0.3128,
0.0000

189.9308, 0.3309,

 0.0000, 0.2672,

0.2279


0.0000


232.4196, 0.3301,
0.2334

 0.0000, 0.0000,
0.0000

 25.6004, 0.3370,
0.1630


 25.6004, 0.3370,
0.1630


 25.6032, 0.3370,
0.1630

 26.3711, 0.3351,
0.1652


 28.0050, 0.3329,
0.1711


 30.7725, 0.3305,
0.1815

 34.8351, 0.3278,
0.1961

 40.3279, 0.3251,
0.2144

 47.3694, 0.3224,
0.2354

 56.0655, 0.3197,
0.2583

 66.5129, 0.3172,
0.2821

 78.8008, 0.3148,
0.3058

Harmonies

Analogous

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



25.6004, 0.1887, 0.1228



25.6004, 0.3370, 0.1630



25.6004, 0.5267, 0.2311

Triad

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



25.6004, 0.3370, 0.1630



25.6004, 0.4835, 0.5165



25.6004, 0.0745, 0.2198

Complementary

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



25.6004, 0.3370, 0.1630



66.5569, 0.2992, 0.5972

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.



25.6004, 0.1144, 0.4158



25.6004, 0.3370, 0.1630



25.6004, 0.3448, 0.6427

Square

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



25.6004, 0.3370, 0.1630



25.6004, 0.5968, 0.3972



25.6004, 0.2138, 0.6439



25.6004, 0.0760, 0.1373

Rectangle

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



25.6004, 0.3370, 0.1630



25.6004, 0.6125, 0.2825



25.6004, 0.2138, 0.6439



25.6004, 0.0820, 0.2701

Sweetspot

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



25.6032, 0.3370, 0.1630



60.2254, 0.3197, 0.2582



6.7962, 0.1511, 0.0606



11.9985, 0.3208, 0.2484



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.



25.6032, 0.3370, 0.1630



27.5251, 0.3370, 0.1630



20.9255, 0.5213, 0.2645



16.7500, 0.3147, 0.3071



13.5483, 0.3367, 0.1629



1.1959, 0.3345, 0.1617

Inverse Universe

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



25.6032, 0.3370, 0.1630



27.5251, 0.3370, 0.1630



68.2959, 0.2684, 0.4864



16.7500, 0.3147, 0.3071



13.5483, 0.3367, 0.1629



1.1959, 0.3345, 0.1617

Previews

White Background



This preview shows how the Yxy color 25.6004, 0.3370, 0.1630 looks on a white background.

Color Contrast Check

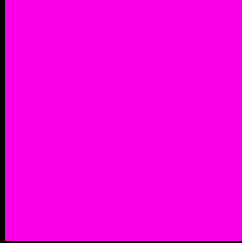
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6004, 0.3370, 0.1630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

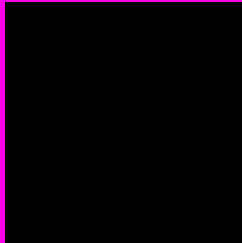
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6004, 0.3370, 0.1630

Background



This preview shows how black text looks on a background with the Yxy color 25.6004, 0.3370, 0.1630.



This preview shows how white text looks on a background with the Yxy color 25.6004, 0.3370, 0.1630.

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

25.6004, 0.3370, 0.1630

Protanopia

26.4480, 0.1941, 0.1711

Deuteranopia

26.1239, 0.2189, 0.2124



Tritanopia

25.6689, 0.4978, 0.3235

Trichromacy



Original Color

25.6004, 0.3370, 0.1630



Protanomaly

19.0208, 0.2205, 0.1360



Deuteranomaly

18.9826, 0.2467, 0.1573



Tritanomaly

23.2786, 0.4430, 0.2458

Monochromacy



Original Color

25.6004, 0.3370, 0.1630



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.5772, 0.3263, 0.2020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6004, 0.3370, 0.1630 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(247, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 232)  
}
```

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(247, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 232) }
```

Border

The CSS property to change the border of an element to Yxy 25.6004, 0.3370, 0.1630 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(247, 0, 232) }
```

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

```
.border{ border-color:rgb(247, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6004, 0.3370, 0.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 232) }
```

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

```
.background{ background-color: rgb(247, 0,  
232) }
```

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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