

Converting Colors

$Y_{xy}(33.6120, 0.4064, 0.2545)$

Have a look what the booklet for
Yxy(33.6120, 0.4064, 0.2545)
contains.

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Color

Yxy(33.7020, 0.4065, 0.2550)

Conversions

Conversions Part 1

Format	Color
Hex	FF65B0
RGB	255, 101, 176
RGB Percent	100%, 40%, 69%
CMY	0.0001, 0.6038, 0.3099
CMYK	0.00, 0.60, 0.31, 0.00
HSL	331°, 100%, 70%
HSV	331°, 60%, 100%
XYZ	53.7250, 33.7020, 44.7378
YIQ	155.5960, 67.7090, 55.9730

Conversions

Conversions Part 2

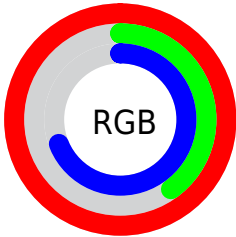
Format	Color
R_{YB}	255, 101, 176
Decimal	16737712
CIE Lab	64.73, 65.46, -9.50
CIE LCh	65, 66.144, 351.739
Yxy	33.7020, 0.4065, 0.2550
Android (android.graphics.Color)	4294927792 (0xFFFF65B0)
YUV	155.5960, 10.0592, 87.1773
Hunter-Lab	58.0534, 63.5975, -5.0533

Details

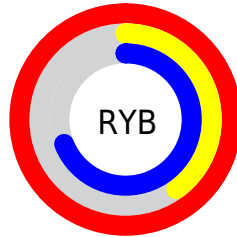
The Yxy color **33.7020, 0.4065, 0.2550** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.5763, 0.2705, 0.4250**, and the grayscale version is **32.9920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5399, 0.3363, 0.2548**, and **14.3108, 0.4335, 0.2334** is the 20% darker color. If you saturate the color by 10%, you get **29.0021, 0.4309, 0.2480**, and if you desaturate by 10%, it is **39.9907, 0.3843, 0.2652**.

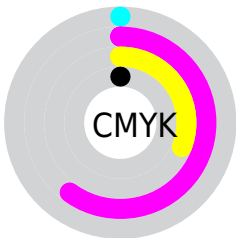
Distribution



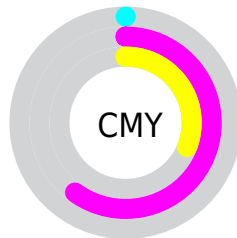
- Red (100%)
- Green (40%)
- Blue (69%)



- Red (100%)
- Yellow (40%)
- Blue (69%)



- Cyan (0%)
- Magenta (60%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7020, 0.4065, 0.2550 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 33.7020, 0.4065, 0.2550 by changing the saturation by 10% instead.

 33.7020, 0.4065,
0.2550


 33.7020, 0.4065,
0.2550


318.8012, 0.3583,
0.2920

 22.6648, 0.4188,
0.2459


 65.4700, 0.3887,
0.2684


 14.3462, 0.4349,
0.2342


 86.9695, 0.3821,
0.2734

 8.3618, 0.4564,
0.2189


 112.7253, 0.3766,
0.2777

 4.3273, 0.4867,
0.1979

 143.1217, 0.3719,
0.2814

 1.8583, 0.5323,
0.1679

178.5430, 0.3678,
0.2845

 0.5231, 0.6126,
0.1136

219.3738, 0.3642,

 0.0000, 0.9737,

0.2873

0.0000

265.9984, 0.3611,
0.2898

0.0000, 0.0000,
0.0000

33.7020, 0.4065,
0.2550

33.7020, 0.4065,
0.2550

29.0021, 0.4309,
0.2480

39.9907, 0.3843,
0.2652

25.7371, 0.4566,
0.2455

47.9930, 0.3649,
0.2773

23.7311, 0.4823,
0.2485

57.8268, 0.3483,
0.2904

22.7162, 0.5058,
0.2560

69.5984, 0.3343,
0.3036

83.4056, 0.3227,
0.3164

99.3397, 0.3130,
0.3286

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



33.7020, 0.3004, 0.2082



33.7020, 0.4065, 0.2550



33.7020, 0.4903, 0.3167

Triad

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



33.7020, 0.4065, 0.2550



33.7020, 0.3909, 0.5120



33.7020, 0.1460, 0.2236

Complementary

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



33.7020, 0.4065, 0.2550



77.5763, 0.2705, 0.4250

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.



33.7020, 0.1607, 0.3029



33.7020, 0.4065, 0.2550



33.7020, 0.2974, 0.5082

Square

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



33.7020, 0.4065, 0.2550



33.7020, 0.4700, 0.4561



33.7020, 0.2129, 0.4185



33.7020, 0.1639, 0.1874

Rectangle

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



33.7020, 0.4065, 0.2550



33.7020, 0.5122, 0.3619



33.7020, 0.2129, 0.4185



33.7020, 0.1471, 0.2448

Sweetspot

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



33.7037, 0.4065, 0.2550



72.7048, 0.3313, 0.3067



25.9973, 0.2496, 0.1580



14.7543, 0.3350, 0.3029



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.



33.7037, 0.4065, 0.2550



28.3832, 0.4350, 0.2473



31.5100, 0.5046, 0.3296



18.1345, 0.3217, 0.3175



11.9011, 0.5020, 0.2539



1.1807, 0.4759, 0.2395

Inverse Universe

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



33.7037, 0.4065, 0.2550



28.3832, 0.4350, 0.2473



81.4989, 0.2387, 0.3288



18.1345, 0.3217, 0.3175



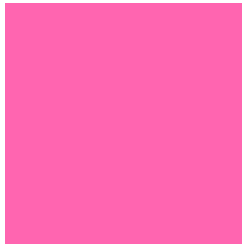
11.9011, 0.5020, 0.2539



1.1807, 0.4759, 0.2395

Previews

White Background



This preview shows how the Yxy color 33.7020, 0.4065, 0.2550 looks on a white background.

Color Contrast Check

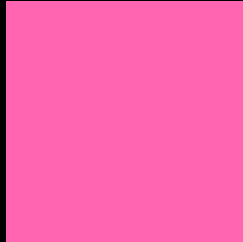
Large Text (above 18pt) WCAG AA × Fail

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 33.7020, 0.4065, 0.2550 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 ✓ Pass

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

Yxy 33.7020, 0.4065, 0.2550

Background



This preview shows how black text looks on a background with the Yxy color 33.7020, 0.4065, 0.2550.



This preview shows how white text looks on a background with the Yxy color 33.7020, 0.4065, 0.2550.

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

33.7020, 0.4065, 0.2550

Protanopia

33.9095, 0.2547, 0.2488

Deuteranopia

33.9344, 0.3137, 0.3076



Tritanopia

33.5147, 0.4678, 0.3214

Trichromacy



Original Color

33.7020, 0.4065, 0.2550



Protanomaly

31.4432, 0.2987, 0.2447



Deuteranomaly

32.2698, 0.3463, 0.2815



Tritanomaly

33.5558, 0.4462, 0.2970

Monochromacy



Original Color

33.7020, 0.4065, 0.2550



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.4591, 0.3460, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7020, 0.4065, 0.2550 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(255, 101, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 176)  
}
```

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(255, 101, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.7020, 0.4065, 0.2550 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(255, 101, 176) }
```

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

```
.border{ border-color:rgb(255, 101, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 101, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 101, 176); box-shadow:4px 4px 4px 4px rgb(255, 101, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7020, 0.4065, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 176) }
```

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

```
.background{ background-color: rgb(255,  
101, 176) }
```

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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