

Converting Colors

$Y_{xy}(30.5468, 0.3484, 0.1864)$

Have a look what the booklet for
Yxy(30.5468, 0.3484, 0.1864)
contains.

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Color

Yxy(30.5282, 0.3483, 0.1863)

Conversions

Conversions Part 1

Format	Color
Hex	FF40E4
RGB	255, 64, 228
RGB Percent	100%, 25%, 89%
CMY	0.0000, 0.7489, 0.1060
CMYK	0.00, 0.75, 0.11, 0.00
HSL	308°, 100%, 63%
HSV	308°, 75%, 100%
XYZ	57.0745, 30.5282, 76.2631
YIQ	139.8050, 61.1920, 91.4960

Conversions

Conversions Part 2

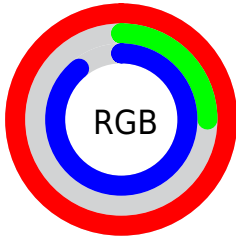
Format	Color
R _Y B	255, 64, 228
Decimal	16728292
CIE Lab	62.11, 85.16, -42.95
CIE LCh	62, 95.378, 333.237
Yxy	30.5282, 0.3483, 0.1863
Android (android.graphics.Color)	4294918372 (0xFFFF40E4)
YUV	139.8050, 43.4801, 101.0260
Hunter-Lab	55.2523, 87.6951, -43.1596

Details

The Yxy color **30.5282, 0.3483, 0.1863** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.3669, 0.2943, 0.5430**, and the grayscale version is **25.9600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **14.4479, 0.3518, 0.1712** is the 20% darker color. If you saturate the color by 10%, you get **28.0814, 0.3536, 0.1791**, and if you desaturate by 10%, it is **34.2942, 0.3428, 0.1980**.

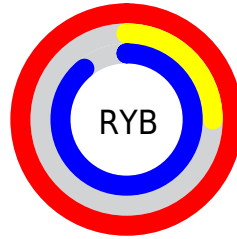
Distribution



Red (100%)

Green (25%)

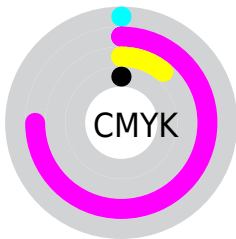
Blue (89%)



Red (100%)

Yellow (25%)

Blue (89%)

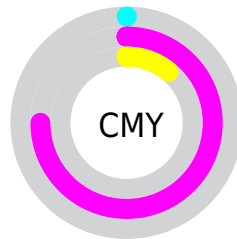


Cyan (0%)

Magenta (75%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5282, 0.3483, 0.1863 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 30.5282, 0.3483, 0.1863 by changing the saturation by 10% instead.


 30.5282, 0.3483,
0.1863

 30.5282, 0.3483,
0.1863

304.3588, 0.3337,
0.2516

 20.2399, 0.3510,
0.1720


 60.4965, 0.3437,
0.2086


 12.5695, 0.3539,
0.1547


 80.9452, 0.3418,
0.2174


 7.1328, 0.3569,
0.1338


 105.5496, 0.3401,
0.2250

 3.5453, 0.3597,
0.1081

 134.6939, 0.3386,
0.2316

 1.4226, 0.3610,
0.0769

 168.7626, 0.3372,
0.2375

 0.2333, 0.3636,
0.0257

208.1400, 0.3359,

 0.0000, 0.3441,

0.2427

0.0000

253.2106, 0.3348,
0.2474

■ 0.0000, 0.1883,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.5282, 0.3483,
0.1863

■ 30.5282, 0.3483,
0.1863

■ 28.0814, 0.3536,
0.1791

■ 34.2942, 0.3428,
0.1980


■ 26.7558, 0.3586,
0.1764

■ 39.5355, 0.3372,
0.2137


■ 26.3699, 0.3611,
0.1763

■ 46.3889, 0.3319,
0.2324

■ 54.9754, 0.3268,
0.2532

 65.4041, 0.3222,
0.2750

 77.7752, 0.3180,
0.2971

 92.1817, 0.3143,
0.3187

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



30.5282, 0.2136, 0.1457



30.5282, 0.3483, 0.1863



30.5282, 0.5054, 0.2519

Triad

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



30.5282, 0.3483, 0.1863



30.5282, 0.4685, 0.5174



30.5282, 0.0974, 0.2307

Complementary

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



30.5282, 0.3483, 0.1863



73.3669, 0.2943, 0.5430

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.



30.5282, 0.1361, 0.3883



30.5282, 0.3483, 0.1863



30.5282, 0.3479, 0.6073

Square

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



30.5282, 0.3483, 0.1863



30.5282, 0.5638, 0.4138



30.5282, 0.2277, 0.5746



30.5282, 0.0991, 0.1571

Rectangle

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



30.5282, 0.3483, 0.1863



30.5282, 0.5748, 0.3021



30.5282, 0.2277, 0.5746



30.5282, 0.1050, 0.2728

Sweetspot

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



30.5291, 0.3483, 0.1863



68.7800, 0.3209, 0.2814



13.0371, 0.1809, 0.0981



14.0436, 0.3221, 0.2754



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.



30.5291, 0.3483, 0.1863



27.2788, 0.3562, 0.1772



26.6517, 0.4774, 0.2685



18.2536, 0.3160, 0.3088



13.7958, 0.3603, 0.1759



1.3549, 0.3551, 0.1730

Inverse Universe

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



30.5291, 0.3483, 0.1863



27.2788, 0.3562, 0.1772



76.1124, 0.2578, 0.4208



18.2536, 0.3160, 0.3088



13.7958, 0.3603, 0.1759



1.3549, 0.3551, 0.1730

Previews

White Background



This preview shows how the Yxy color 30.5282, 0.3483, 0.1863 looks on a white background.

Color Contrast Check

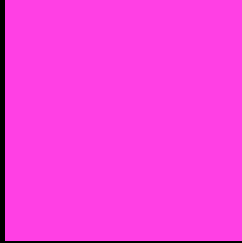
Large Text (above 18pt) WCAG AA × Fail

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 30.5282, 0.3483, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

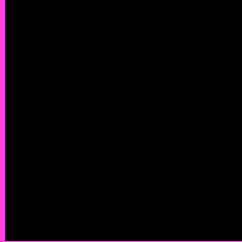
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5282, 0.3483, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 30.5282, 0.3483, 0.1863.



This preview shows how white text looks on a background with the Yxy color 30.5282, 0.3483, 0.1863.

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

30.5282, 0.3483, 0.1863

Protanopia

30.9122, 0.2075, 0.1889

Deuteranopia

30.8127, 0.2400, 0.2340



Tritanopia

30.3277, 0.4777, 0.3224

Trichromacy



Original Color

30.5282, 0.3483, 0.1863



Protanomaly

26.5843, 0.2413, 0.1736



Deuteranomaly

26.8948, 0.2711, 0.2003



Tritanomaly

29.4196, 0.4311, 0.2651

Monochromacy



Original Color

30.5282, 0.3483, 0.1863



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.5120, 0.3283, 0.2474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5282, 0.3483, 0.1863 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, 64, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 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(255, 64, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 228) }
```

Border

The CSS property to change the border of an element to Yxy 30.5282, 0.3483, 0.1863 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, 64, 228) }
```

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

```
.border{ border-color:rgb(255, 64, 228) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5282, 0.3483, 0.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 228) }
```

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

```
.background{ background-color: rgb(255, 64,  
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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