

Converting Colors

$Y_{xy}(31.5473, 0.3485, 0.2121)$

Have a look what the booklet for
Yxy(31.5473, 0.3485, 0.2121)
contains.

Yxy(31.6445, 0.3483, 0.2120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.6445, 0.3483, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	F060D4
RGB	240, 96, 212
RGB Percent	94%, 38%, 83%
CMY	0.0590, 0.6233, 0.1688
CMYK	0.00, 0.60, 0.12, 0.06
HSL	312°, 83%, 66%
HSV	312°, 60%, 94%
XYZ	51.9895, 31.6445, 65.6325
YIQ	152.2800, 48.5880, 66.6040

Conversions

Conversions Part 2

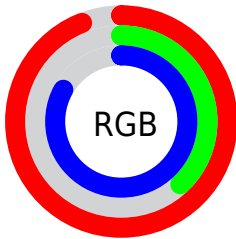
Format	Color
R _{YB}	240, 96, 212
Decimal	15753428
CIE _{Lab}	63.05, 68.19, -32.66
CIE _{LCh}	63, 75.604, 334.409
Yxy	31.6445, 0.3483, 0.2120
Android (android.graphics.Color)	4293943508 (0xFFFF060D4)
YUV	152.2800, 29.4420, 76.9304
Hunter-Lab	56.2534, 66.5265, -29.7979

Details

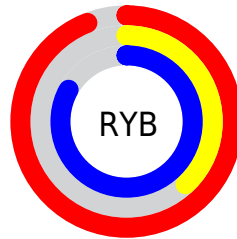
The Yxy color **31.6445, 0.3483, 0.2120** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **66.2464, 0.2921, 0.4884**, and the grayscale version is **31.3879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **13.2381, 0.3561, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **27.6806, 0.3560, 0.1989**, and if you desaturate by 10%, it is **36.9543, 0.3409, 0.2285**.

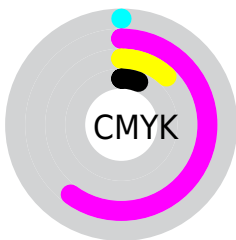
Distribution



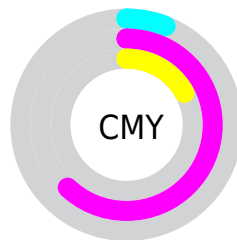
- Red (94%)
- Green (38%)
- Blue (83%)



- Red (94%)
- Yellow (38%)
- Blue (83%)



- Cyan (0%)
- Magenta (60%)
- Yellow (12%)
- Black (6%)



- Cyan (6%)
- Magenta (62%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6445, 0.3483, 0.2120 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 31.6445, 0.3483, 0.2120 by changing the saturation by 10% instead.


 31.6445, 0.3483,
0.2120


 31.6445, 0.3483,
0.2120


309.4966, 0.3323,
0.2673


 21.0901, 0.3517,
0.1993


 62.2534, 0.3429,
0.2313

 13.1899, 0.3557,
0.1836


 83.0766, 0.3408,
0.2388

 7.5594, 0.3605,
0.1640


 108.0916, 0.3389,
0.2452

 3.8144, 0.3661,
0.1388

 137.6828, 0.3373,
0.2508

 1.5703, 0.3721,
0.1062

172.2344, 0.3358,
0.2557

 0.3374, 0.3828,
0.0500

212.1311, 0.3345,

 0.0000, 0.3797,

0.2601

0.0000

257.7570, 0.3334,
0.2639

0.0000, 0.0000,
0.0000

31.6445, 0.3483,
0.2120

31.6445, 0.3483,
0.2120

27.6806, 0.3560,
0.1989

36.9543, 0.3409,
0.2285

24.9320, 0.3637,
0.1900

43.7157, 0.3340,
0.2475

23.2505, 0.3711,
0.1858

52.0289, 0.3276,
0.2678

22.3840, 0.3783,
0.1857

61.9840, 0.3220,
0.2886

22.3821, 0.3783,
0.1857

73.6642, 0.3170,
0.3092

■ 87.1471, 0.3127,
0.3291

■ 96.6104, 0.3093,
0.3392

■ 96.8987, 0.3067,
0.3346

■ 97.1942, 0.3041,
0.3300

Harmonies

Analogous

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



31.6445, 0.2365, 0.1746



31.6445, 0.3483, 0.2120



31.6445, 0.4696, 0.2713

Triad

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



31.6445, 0.3483, 0.2120



31.6445, 0.4514, 0.5000



31.6445, 0.1300, 0.2509

Complementary

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



31.6445, 0.3483, 0.2120



66.2464, 0.2921, 0.4884

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.



31.6445, 0.1673, 0.3727



31.6445, 0.3483, 0.2120



31.6445, 0.3514, 0.5526

Square

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



31.6445, 0.3483, 0.2120



31.6445, 0.5241, 0.4190



31.6445, 0.2475, 0.5089



31.6445, 0.1306, 0.1859

Rectangle

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



31.6445, 0.3483, 0.2120



31.6445, 0.5242, 0.3175



31.6445, 0.2475, 0.5089



31.6445, 0.1378, 0.2853

Sweetspot

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



31.6460, 0.3483, 0.2120



73.5681, 0.3210, 0.2926



18.8335, 0.2131, 0.1433



14.9659, 0.3225, 0.2865



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.



31.6460, 0.3483, 0.2120



30.9467, 0.3577, 0.1965



28.8360, 0.4389, 0.2815



15.9756, 0.3168, 0.3102



12.2753, 0.3772, 0.1851



1.0345, 0.3684, 0.1803

Inverse Universe

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



31.6460, 0.3483, 0.2120



30.9467, 0.3577, 0.1965



68.7026, 0.2591, 0.3891



15.9756, 0.3168, 0.3102



12.2753, 0.3772, 0.1851



1.0345, 0.3684, 0.1803

Previews

White Background



This preview shows how the Yxy color 31.6445, 0.3483, 0.2120 looks on a white background.

Color Contrast Check

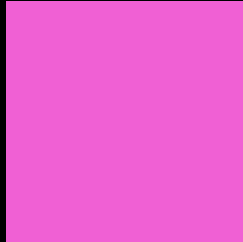
Large Text (above 18pt) WCAG AA × Fail

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 31.6445, 0.3483, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

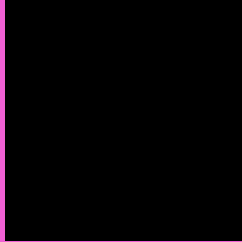
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6445, 0.3483, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 31.6445, 0.3483, 0.2120.



This preview shows how white text looks on a background with the Yxy color 31.6445, 0.3483, 0.2120.

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

31.6445, 0.3483, 0.2120

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.0205, 0.2600, 0.2549



Tritanopia

31.4781, 0.4387, 0.3192

Trichromacy



Original Color

31.6445, 0.3483, 0.2120



Protanomaly

29.3654, 0.2462, 0.1930



Deuteranomaly

29.9189, 0.2874, 0.2314



Tritanomaly

31.1129, 0.4052, 0.2760

Monochromacy



Original Color

31.6445, 0.3483, 0.2120



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.7489, 0.3262, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6445, 0.3483, 0.2120 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(240, 96, 212)` looks like.

```
.text, #text, p{  
    color:rgb(240, 96, 212)  
}
```

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(240, 96, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 96, 212) }
```

Border

The CSS property to change the border of an element to Yxy 31.6445, 0.3483, 0.2120 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(240, 96, 212) }
```

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

```
.border{ border-color:rgb(240, 96, 212) }
```

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

Here you see how a box with a 4 pixel rgb(240, 96, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 96, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 96, 212);  
box-shadow:4px 4px 4px 4px rgb(240, 96,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6445, 0.3483, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 96, 212) }
```

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

```
.background{ background-color: rgb(240, 96,  
212) }
```

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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