

Converting Colors

$Y_{xy}(24.4385, 0.3633, 0.1775)$

Have a look what the booklet for
Yxy(24.4385, 0.3633, 0.1775)
contains.

Yxy(24.4273, 0.3636, 0.1777)	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(24.4273, 0.3636, 0.1777)

Conversions

Conversions Part 1

Format	Color
Hex	F700D2
RGB	247, 0, 210
RGB Percent	97%, 0%, 82%
CMY	0.0315, 0.9987, 0.1765
CMYK	0.00, 1.00, 0.15, 0.03
HSL	309°, 100%, 48%
HSV	309°, 100%, 97%
XYZ	49.9818, 24.4273, 63.0546
YIQ	97.7930, 79.8020, 117.6740

Conversions

Conversions Part 2

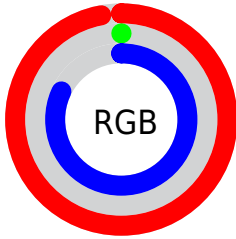
Format	Color
RYB	247, 0, 210
Decimal	16187602
CIELab	56.51, 91.02, -41.68
CIELCh	57, 100.112, 335.395
Yxy	24.4273, 0.3636, 0.1777
Android (android.graphics.Color)	4294377682 (0xFFFF700D2)
YUV	97.7930, 55.3181, 130.8545
Hunter-Lab	49.4240, 94.0227, -41.0448

Details

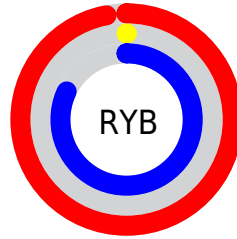
The Yxy color **24.4273, 0.3636, 0.1777** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **66.6386, 0.2970, 0.5892**, and the grayscale version is **12.0541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.8057, 0.3681, 0.1802** is the 20% darker color. If you saturate the color by 10%, you get **24.4188, 0.3637, 0.1777**, and if you desaturate by 10%, it is **25.3045, 0.3584, 0.1785**.

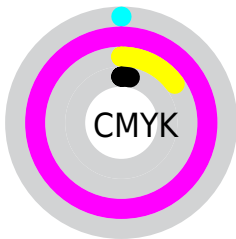
Distribution



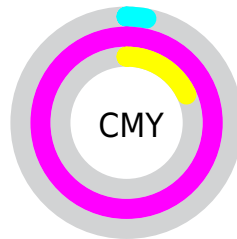
- Red (97%)
- Green (0%)
- Blue (82%)



- Red (97%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (3%)



- Cyan (3%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4273, 0.3636, 0.1777 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 24.4273, 0.3636, 0.1777 by changing the saturation by 10% instead.


 24.4273, 0.3636,
0.1777


 24.4273, 0.3636,
0.1777


274.9737, 0.3409,
0.2486


 15.6509, 0.3683,
0.1618


 50.7266, 0.3561,
0.2022

 9.2775, 0.3737,
0.1426


 69.0183, 0.3530,
0.2118


 4.9226, 0.3798,
0.1192


 91.2505, 0.3504,
0.2200

 2.2019, 0.3865,
0.0906

 117.8077, 0.3480,
0.2272

 0.7210, 0.3927,
0.0560

 149.0742, 0.3460,
0.2336

 0.0000, 0.4020,
0.0000

185.4344, 0.3441,

 0.0000, 0.3771,

0.2392

0.0000

227.2728, 0.3424,
0.2442

■ 0.0000, 0.0000,
0.0000

■ 24.4273, 0.3636,
0.1777

■ 24.4273, 0.3636,
0.1777

■ 24.4188, 0.3637,
0.1777

■ 25.3045, 0.3584,
0.1785

■ 27.0568, 0.3529,
0.1834

■ 29.9485, 0.3471,
0.1929

■ 34.1403, 0.3412,
0.2066

■ 39.7673, 0.3355,
0.2238

■ 46.9475, 0.3300,
0.2435

■ 55.7869, 0.3249,
0.2648

■ 66.3819, 0.3203,
0.2866

■ 78.8218, 0.3162,
0.3083

Harmonies

Analogous

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



24.4273, 0.2112, 0.1333



24.4273, 0.3636, 0.1777



24.4273, 0.5395, 0.2474

Triad

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



24.4273, 0.3636, 0.1777



24.4273, 0.4644, 0.5356



24.4273, 0.0799, 0.2084

Complementary

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



24.4273, 0.3636, 0.1777



66.6386, 0.2970, 0.5892

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.



24.4273, 0.1132, 0.3768



24.4273, 0.3636, 0.1777



24.4273, 0.3294, 0.6414

Square

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



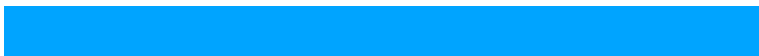
24.4273, 0.3636, 0.1777



24.4273, 0.5760, 0.4163



24.4273, 0.2038, 0.6021



24.4273, 0.0855, 0.1382

Rectangle

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



24.4273, 0.3636, 0.1777



24.4273, 0.6090, 0.2989



24.4273, 0.2038, 0.6021



24.4273, 0.0857, 0.2512

Sweetspot

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



24.4285, 0.3636, 0.1777



59.8035, 0.3250, 0.2644



7.0475, 0.1543, 0.0624



11.8961, 0.3271, 0.2553



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.



24.4285, 0.3636, 0.1777



26.2584, 0.3638, 0.1777



20.5266, 0.5553, 0.2834



16.7231, 0.3161, 0.3091



12.9352, 0.3628, 0.1773



1.1482, 0.3567, 0.1739

Inverse Universe

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



24.4285, 0.3636, 0.1777



26.2584, 0.3638, 0.1777



68.9216, 0.2600, 0.4560



16.7231, 0.3161, 0.3091



12.9352, 0.3628, 0.1773



1.1482, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 24.4273, 0.3636, 0.1777 looks on a white background.

Color Contrast Check

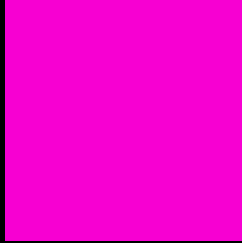
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4273, 0.3636, 0.1777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

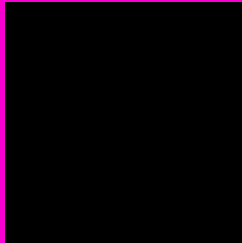
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4273, 0.3636, 0.1777

Background



This preview shows how black text looks on a background with the Yxy color 24.4273, 0.3636, 0.1777.



This preview shows how white text looks on a background with the Yxy color 24.4273, 0.3636, 0.1777.

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

24.4273, 0.3636, 0.1777

Protanopia

25.3347, 0.1906, 0.1663

Deuteranopia

25.1502, 0.2397, 0.2347



Tritanopia

24.7075, 0.5197, 0.3259

Trichromacy



Original Color

24.4273, 0.3636, 0.1777



Protanomaly

17.8799, 0.2212, 0.1372



Deuteranomaly

18.7620, 0.2741, 0.1775



Tritanomaly

22.7374, 0.4694, 0.2579

Monochromacy



Original Color

24.4273, 0.3636, 0.1777



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.9847, 0.3389, 0.2101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4273, 0.3636, 0.1777 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 210) }
```

Border

The CSS property to change the border of an element to Yxy 24.4273, 0.3636, 0.1777 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, 210) }
```

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

```
.border{ border-color:rgb(247, 0, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
210) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 24.4273, 0.3636, 0.1777$ 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, 210) }
```

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

```
.background{ background-color: rgb(247, 0,  
210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor