

Converting Colors

$Yxy(20.6198, 0.3665, 0.1821)$

Have a look what the booklet for
Yxy(20.6198, 0.3665, 0.1821)
contains.

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Color

Yxy(20.6882, 0.3670, 0.1824)

Conversions

Conversions Part 1

Format	Color
Hex	E412BF
RGB	228, 18, 191
RGB Percent	89%, 7%, 75%
CMY	0.1057, 0.9301, 0.2509
CMYK	0.00, 0.92, 0.16, 0.11
HSL	311°, 86%, 48%
HSV	311°, 92%, 89%
XYZ	41.6259, 20.6882, 51.1080
YIQ	100.5120, 69.6270, 98.3230

Conversions

Conversions Part 2

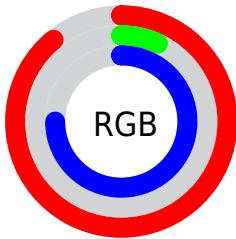
Format	Color
RYB	228, 18, 191
Decimal	14947007
CIELab	52.61, 83.99, -37.14
CIELCh	53, 91.833, 336.142
Yxy	20.6882, 0.3670, 0.1824
Android (android.graphics.Color)	4293137087 (0xFFE412BF)
YUV	100.5120, 44.6106, 111.8070
Hunter-Lab	45.4843, 83.7607, -34.7817

Details

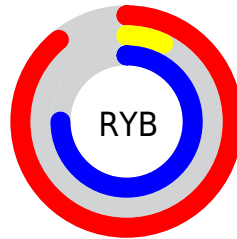
The Yxy color **20.6882, 0.3670, 0.1824** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **55.9066, 0.2943, 0.5736**, and the grayscale version is **12.7263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3447, 0.3258, 0.1936**, and **10.1310, 0.3735, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **20.1260, 0.3719, 0.1822**, and if you desaturate by 10%, it is **22.0014, 0.3605, 0.1860**.

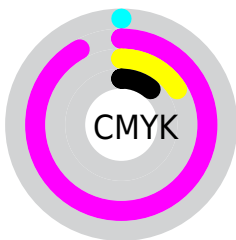
Distribution



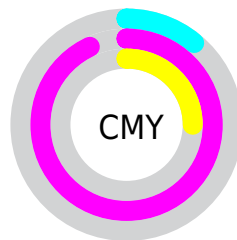
- Red (89%)
- Green (7%)
- Blue (75%)



- Red (89%)
- Yellow (7%)
- Blue (75%)



- Cyan (0%)
- Magenta (92%)
- Yellow (16%)
- Black (11%)




- Cyan (11%)
- Magenta (93%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6882, 0.3670, 0.1824 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 20.6882, 0.3670, 0.1824 by changing the saturation by 10% instead.


 20.6882, 0.3670,
0.1824

 20.6882, 0.3670,
0.1824


255.6168, 0.3414,
0.2537


 12.8963, 0.3727,
0.1657


 44.5680, 0.3582,
0.2076

 7.3572, 0.3795,
0.1452


 61.4247, 0.3547,
0.2173

 3.6865, 0.3875,
0.1197


 82.0718, 0.3517,
0.2256

 1.4998, 0.3967,
0.0879

 106.8937, 0.3491,
0.2327

 0.2886, 0.4120,
0.0353

 136.2747, 0.3469,
0.2390

 0.0000, 0.4138,
0.0000

170.5993, 0.3448,

 0.0000, 0.3055,

0.2445

0.0000

210.2519, 0.3430,
0.2494

■ 0.0000, 0.0000,
0.0000

■ 20.6882, 0.3670,
0.1824

■ 20.6882, 0.3670,
0.1824

■ 20.1260, 0.3719,
0.1822

■ 22.0014, 0.3605,
0.1860

■ 24.2279, 0.3536,
0.1942

■ 27.5066, 0.3467,
0.2067

■ 31.9523, 0.3400,
0.2228

■ 37.6650, 0.3336,
0.2416

■ 44.7335, 0.3277,
0.2620

■ 53.2390, 0.3224,
0.2831

■ 63.2561, 0.3176,
0.3042

■ 74.8543, 0.3135,
0.3246

Harmonies

Analogous

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



20.6882, 0.2167, 0.1377



20.6882, 0.3670, 0.1824



20.6882, 0.5367, 0.2519

Triad

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



20.6882, 0.3670, 0.1824



20.6882, 0.4620, 0.5380



20.6882, 0.0837, 0.2095

Complementary

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



20.6882, 0.3670, 0.1824



55.9066, 0.2943, 0.5736

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.



20.6882, 0.1164, 0.3708



20.6882, 0.3670, 0.1824



20.6882, 0.3290, 0.6351

Square

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



20.6882, 0.3670, 0.1824



20.6882, 0.5700, 0.4205



20.6882, 0.2052, 0.5881



20.6882, 0.0897, 0.1412

Rectangle

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



20.6882, 0.3670, 0.1824



20.6882, 0.6027, 0.3032



20.6882, 0.2052, 0.5881



20.6882, 0.0894, 0.2507

Sweetspot

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



20.6893, 0.3670, 0.1824



61.8118, 0.3255, 0.2704



6.7829, 0.1627, 0.0704



12.2674, 0.3279, 0.2613



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.



20.6893, 0.3670, 0.1824



25.9189, 0.3723, 0.1824



17.6290, 0.5443, 0.2824



14.5694, 0.3165, 0.3098



11.6334, 0.3710, 0.1817



0.8711, 0.3624, 0.1770

Inverse Universe

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



20.6893, 0.3670, 0.1824



25.9189, 0.3723, 0.1824



58.0998, 0.2550, 0.4335



14.5694, 0.3165, 0.3098



11.6334, 0.3710, 0.1817



0.8711, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 20.6882, 0.3670, 0.1824 looks on a white background.

Color Contrast Check

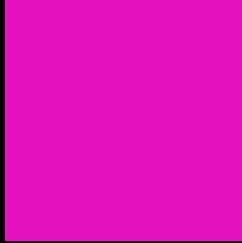
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6882, 0.3670, 0.1824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

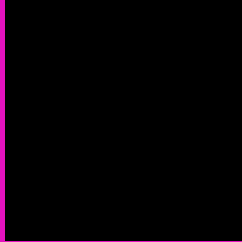
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6882, 0.3670, 0.1824

Background



This preview shows how black text looks on a background with the Yxy color 20.6882, 0.3670, 0.1824.



This preview shows how white text looks on a background with the Yxy color 20.6882, 0.3670, 0.1824.

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

20.6882, 0.3670, 0.1824

Protanopia

21.4304, 0.1771, 0.1484

Deuteranopia

21.0477, 0.2443, 0.2388



Tritanopia

20.6684, 0.5179, 0.3245

Trichromacy



Original Color

20.6882, 0.3670, 0.1824



Protanomaly

15.0504, 0.2004, 0.1293



Deuteranomaly

16.6538, 0.2799, 0.1892



Tritanomaly

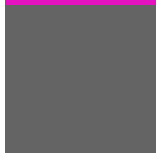
19.6424, 0.4682, 0.2632

Monochromacy



Original Color

20.6882, 0.3670, 0.1824



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.2768, 0.3398, 0.2260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6882, 0.3670, 0.1824 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(228, 18, 191)` looks like.

```
.text, #text, p{  
    color:rgb(228, 18, 191)  
}
```

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(228, 18, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 18, 191) }
```

Border

The CSS property to change the border of an element to Yxy 20.6882, 0.3670, 0.1824 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(228, 18, 191) }
```

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

```
.border{ border-color:rgb(228, 18, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 18, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 18, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 18, 191);  
box-shadow:4px 4px 4px 4px rgb(228, 18,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6882, 0.3670, 0.1824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 18, 191) }
```

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

```
.background{ background-color: rgb(228, 18,  
191) }
```

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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