

Converting Colors

$Yxy(20.6512, 0.3616, 0.1780)$

Have a look what the booklet for
Yxy(20.6512, 0.3616, 0.1780)
contains.

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Color

Yxy(20.6512, 0.3616, 0.1780)

Conversions

Conversions Part 1

Format	Color
Hex	E40AC3
RGB	228, 10, 195
RGB Percent	89%, 4%, 76%
CMY	0.1059, 0.9604, 0.2352
CMYK	0.00, 0.96, 0.14, 0.11
HSL	309°, 92%, 47%
HSV	309°, 96%, 89%
XYZ	41.9521, 20.6512, 53.4147
YIQ	96.2720, 70.5430, 103.7510

Conversions

Conversions Part 2

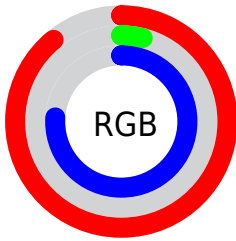
Format	Color
R_{YB}	228, 10, 195
Decimal	14944963
CIE _{Lab}	52.57, 85.15, -39.52
CIE _{LCh}	53, 93.875, 335.104
Yxy	20.6512, 0.3616, 0.1780
Android (android.graphics.Color)	4293135043 (0xFFE40AC3)
YUV	96.2720, 48.6729, 115.5255
Hunter-Lab	45.4436, 85.2593, -37.8793

Details

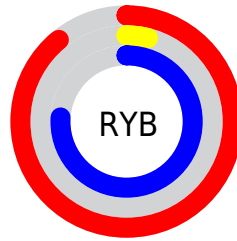
The Yxy color **20.6512, 0.3616, 0.1780** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **55.7200, 0.2961, 0.5830**, and the grayscale version is **11.6493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2120, 0.3221, 0.1894**, and **10.2479, 0.3659, 0.1789** is the 20% darker color. If you saturate the color by 10%, you get **20.3639, 0.3639, 0.1778**, and if you desaturate by 10%, it is **21.6733, 0.3562, 0.1805**.

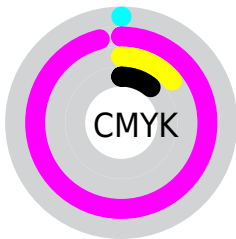
Distribution



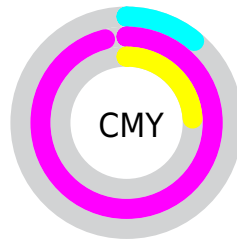
- Red (89%)
- Green (4%)
- Blue (76%)



- Red (89%)
- Yellow (4%)
- Blue (76%)



- Cyan (0%)
- Magenta (96%)
- Yellow (14%)
- Black (11%)





- Cyan (11%)
- Magenta (96%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6512, 0.3616, 0.1780 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 20.6512, 0.3616, 0.1780 by changing the saturation by 10% instead.


 20.6512, 0.3616,
0.1780


 20.6512, 0.3616,
0.1780


255.4190, 0.3393,
0.2510


 12.8693, 0.3663,
0.1611


 44.5063, 0.3541,
0.2036

 7.3386, 0.3717,
0.1405


 61.3483, 0.3511,
0.2135

 3.6747, 0.3778,
0.1149


 81.9791, 0.3485,
0.2220

 1.4933, 0.3841,
0.0835

 106.7831, 0.3462,
0.2294

 0.2840, 0.3942,
0.0327

 136.1447, 0.3441,
0.2358

 0.0000, 0.3885,
0.0000

170.4482, 0.3423,

 0.0000, 0.2697,

0.2415

0.0000

210.0782, 0.3407,
0.2465

■ 0.0000, 0.0000,
0.0000

■ 20.6512, 0.3616,
0.1780

■ 20.6512, 0.3616,
0.1780

■ 20.3639, 0.3639,
0.1778

■ 21.6733, 0.3562,
0.1805

■ 23.5522, 0.3505,
0.1875

■ 26.4383, 0.3447,
0.1989

■ 30.4528, 0.3388,
0.2142

■ 35.6999, 0.3331,
0.2326

■ 42.2719, 0.3278,
0.2530

■ 50.2523, 0.3229,
0.2745

■ 59.7177, 0.3185,
0.2962

■ 70.7392, 0.3146,
0.3175

Harmonies

Analogous

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



20.6512, 0.2107, 0.1340



20.6512, 0.3616, 0.1780



20.6512, 0.5364, 0.2474

Triad

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



20.6512, 0.3616, 0.1780



20.6512, 0.4659, 0.5341



20.6512, 0.0811, 0.2105

Complementary

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



20.6512, 0.3616, 0.1780



55.7200, 0.2961, 0.5830

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.



20.6512, 0.1150, 0.3788



20.6512, 0.3616, 0.1780



20.6512, 0.3314, 0.6387

Square

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



20.6512, 0.3616, 0.1780



20.6512, 0.5762, 0.4160



20.6512, 0.2061, 0.6009



20.6512, 0.0863, 0.1396

Rectangle

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



20.6512, 0.3616, 0.1780



20.6512, 0.6063, 0.2988



20.6512, 0.2061, 0.6009



20.6512, 0.0871, 0.2535

Sweetspot

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



20.6523, 0.3616, 0.1780



60.8482, 0.3246, 0.2666



6.3293, 0.1585, 0.0665



12.0922, 0.3267, 0.2574



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.



20.6523, 0.3616, 0.1780



26.2392, 0.3642, 0.1780



17.3892, 0.5483, 0.2821



14.5758, 0.3161, 0.3093



11.7745, 0.3632, 0.1774



0.8803, 0.3560, 0.1735

Inverse Universe

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



20.6523, 0.3616, 0.1780



26.2392, 0.3642, 0.1780



57.8032, 0.2572, 0.4436



14.5758, 0.3161, 0.3093



11.7745, 0.3632, 0.1774



0.8803, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 20.6512, 0.3616, 0.1780 looks on a white background.

Color Contrast Check

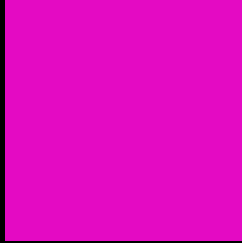
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6512, 0.3616, 0.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

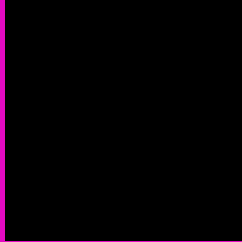
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6512, 0.3616, 0.1780

Background



This preview shows how black text looks on a background with the Yxy color 20.6512, 0.3616, 0.1780.



This preview shows how white text looks on a background with the Yxy color 20.6512, 0.3616, 0.1780.

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

20.6512, 0.3616, 0.1780

Protanopia

21.4304, 0.1771, 0.1484

Deuteranopia

21.0292, 0.2390, 0.2328



Tritanopia

20.8224, 0.5157, 0.3245

Trichromacy



Original Color

20.6512, 0.3616, 0.1780



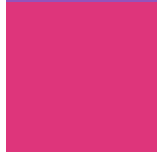
Protanomaly

14.6516, 0.1994, 0.1257



Deuteranomaly

16.1639, 0.2734, 0.1807



Tritanomaly

19.5059, 0.4654, 0.2596

Monochromacy



Original Color

20.6512, 0.3616, 0.1780



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.3758, 0.3374, 0.2186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6512, 0.3616, 0.1780 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, 10, 195)` looks like.

```
.text, #text, p{  
  color:rgb(228, 10, 195)  
}
```

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, 10, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 10, 195) }
```

Border

The CSS property to change the border of an element to Yxy 20.6512, 0.3616, 0.1780 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, 10, 195) }
```

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

```
.border{ border-color:rgb(228, 10, 195) }
```

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

Here you see how a box with a 4 pixel rgb(228, 10, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 10, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 10, 195);  
box-shadow:4px 4px 4px 4px rgb(228, 10,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6512, 0.3616, 0.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 10, 195) }
```

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

```
.background{ background-color: rgb(228, 10,  
195) }
```

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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