

Converting Colors

$Yxy(21.6035, 0.3523, 0.1715)$

Have a look what the booklet for
Yxy(21.6035, 0.3523, 0.1715)
contains.

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Color

Yxy(21.6120, 0.3518, 0.1712)

Conversions

Conversions Part 1

Format	Color
Hex	E800CE
RGB	232, 0, 206
RGB Percent	91%, 0%, 81%
CMY	0.0903, 0.9988, 0.1922
CMYK	0.00, 1.00, 0.11, 0.09
HSL	307°, 100%, 46%
HSV	307°, 100%, 91%
XYZ	44.4106, 21.6120, 60.2157
YIQ	92.8520, 72.1460, 113.2500

Conversions

Conversions Part 2

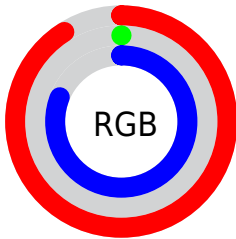
Format	Color
R_{YB}	232, 0, 206
Decimal	15204558
CIE _{Lab}	53.61, 87.93, -44.14
CIE _{LCh}	54, 98.391, 333.343
Yxy	21.6120, 0.3518, 0.1712
Android (android.graphics.Color)	4293394638 (0xFFE800CE)
YUV	92.8520, 55.7820, 122.0328
Hunter-Lab	46.4887, 89.1657, -44.2548

Details

The Yxy color **21.6120, 0.3518, 0.1712** 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 **57.7742, 0.2981, 0.5930**, and the grayscale version is **10.8068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.8923, 0.3526, 0.1716** is the 20% darker color. If you saturate the color by 10%, you get **21.6048, 0.3518, 0.1712**, and if you desaturate by 10%, it is **22.3669, 0.3481, 0.1728**.

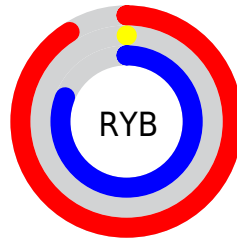
Distribution



Red (91%)

Green (0%)

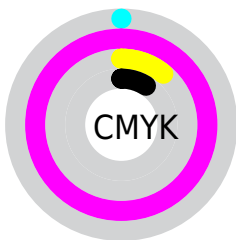
Blue (81%)



Red (91%)

Yellow (0%)

Blue (81%)

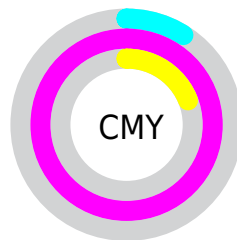


Cyan (0%)

Magenta (100%)

Yellow (11%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6120, 0.3518, 0.1712 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 21.6120, 0.3518, 0.1712 by changing the saturation by 10% instead.


 21.6120, 0.3518,
0.1712


 21.6120, 0.3518,
0.1712


260.5133, 0.3354,
0.2460


 13.5721, 0.3547,
0.1543


 46.1039, 0.3467,
0.1971

 7.8237, 0.3578,
0.1340


 63.3246, 0.3445,
0.2073


 3.9823, 0.3607,
0.1091


 84.3744, 0.3426,
0.2160

 1.6637, 0.3623,
0.0791

 109.6377, 0.3408,
0.2236

 0.4000, 0.3629,
0.0372

 139.4988, 0.3393,
0.2302

 0.0000, 0.3508,
0.0000

174.3422, 0.3379,

 0.0000, 0.2741,

0.2361

0.0000

214.5522, 0.3366,
0.2413

■ 0.0000, 0.0000,
0.0000

■ 21.6120, 0.3518,
0.1712

■ 21.6120, 0.3518,
0.1712

■ 21.6048, 0.3518,
0.1712

■ 22.3669, 0.3481,
0.1728

■ 23.8726, 0.3441,
0.1783

■ 26.3626, 0.3398,
0.1883

■ 29.9742, 0.3354,
0.2025

■ 34.8229, 0.3309,
0.2202

■ 41.0099, 0.3267,
0.2405

■ 48.6259, 0.3226,
0.2624

■ 57.7537, 0.3190,
0.2850

■ 68.4699, 0.3156,
0.3075

Harmonies

Analogous

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



21.6120, 0.2011, 0.1287



21.6120, 0.3518, 0.1712



21.6120, 0.5340, 0.2402

Triad

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



21.6120, 0.3518, 0.1712



21.6120, 0.4728, 0.5272



21.6120, 0.0776, 0.2133

Complementary

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



21.6120, 0.3518, 0.1712



57.7742, 0.2981, 0.5930

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.



21.6120, 0.1138, 0.3934



21.6120, 0.3518, 0.1712



21.6120, 0.3363, 0.6424

Square

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



21.6120, 0.3518, 0.1712



21.6120, 0.5858, 0.4083



21.6120, 0.2085, 0.6208



21.6120, 0.0813, 0.1379

Rectangle

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



21.6120, 0.3518, 0.1712



21.6120, 0.6106, 0.2917



21.6120, 0.2085, 0.6208



21.6120, 0.0842, 0.2593

Sweetspot

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



21.6131, 0.3518, 0.1712



59.9798, 0.3228, 0.2618



6.0189, 0.1529, 0.0616



11.9388, 0.3244, 0.2524



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.



21.6131, 0.3518, 0.1712



26.7730, 0.3520, 0.1713



17.9472, 0.5410, 0.2755



14.5859, 0.3155, 0.3084



12.0094, 0.3513, 0.1709



0.8954, 0.3463, 0.1681

Inverse Universe

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



21.6131, 0.3518, 0.1712



26.7730, 0.3520, 0.1713



59.5713, 0.2633, 0.4677



14.5859, 0.3155, 0.3084



12.0094, 0.3513, 0.1709



0.8954, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 21.6120, 0.3518, 0.1712 looks on a white background.

Color Contrast Check

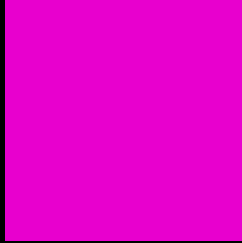
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6120, 0.3518, 0.1712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

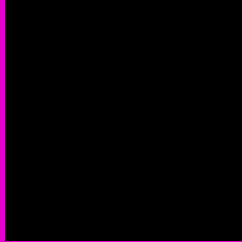
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6120, 0.3518, 0.1712

Background



This preview shows how black text looks on a background with the Yxy color 21.6120, 0.3518, 0.1712.



This preview shows how white text looks on a background with the Yxy color 21.6120, 0.3518, 0.1712.

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

21.6120, 0.3518, 0.1712

Protanopia

22.4681, 0.1809, 0.1533

Deuteranopia

22.3175, 0.2314, 0.2261



Tritanopia

21.9289, 0.5095, 0.3244

Trichromacy



Original Color

21.6120, 0.3518, 0.1712



Protanomaly

15.4292, 0.2052, 0.1262



Deuteranomaly

16.5014, 0.2630, 0.1695



Tritanomaly

20.0752, 0.4569, 0.2526

Monochromacy



Original Color

21.6120, 0.3518, 0.1712



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7785, 0.3349, 0.2078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6120, 0.3518, 0.1712 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(232, 0, 206)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 206)  
}
```

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(232, 0, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 206) }
```

Border

The CSS property to change the border of an element to Yxy 21.6120, 0.3518, 0.1712 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(232, 0, 206) }
```

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

```
.border{ border-color:rgb(232, 0, 206) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 206);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6120, 0.3518, 0.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 206) }
```

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

```
.background{ background-color: rgb(232, 0,  
206) }
```

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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