

Converting Colors

$Yxy(21.0528, 0.4167, 0.2111)$

Have a look what the booklet for
Yxy(21.0528, 0.4167, 0.2111)
contains.

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Color

Yxy(21.0495, 0.4173, 0.2113)

Conversions

Conversions Part 1

Format	Color
Hex	EC15A4
RGB	236, 21, 164
RGB Percent	93%, 8%, 64%
CMY	0.0744, 0.9183, 0.3568
CMYK	0.00, 0.91, 0.31, 0.07
HSL	320°, 85%, 50%
HSV	320°, 91%, 93%
XYZ	41.5710, 21.0495, 36.9985
YIQ	101.5870, 82.2370, 90.0530

Conversions

Conversions Part 2

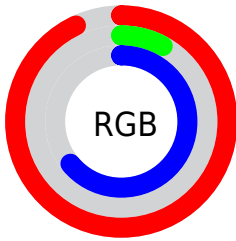
Format	Color
R _Y B	236, 21, 164
Decimal	15472036
CIE Lab	53.00, 82.11, -20.59
CIE LCh	53, 84.650, 345.921
Yxy	21.0495, 0.4173, 0.2113
Android (android.graphics.Color)	4293662116 (0xFFEC15A4)
YUV	101.5870, 30.7696, 117.8802
Hunter-Lab	45.8797, 81.4470, -15.6970

Details

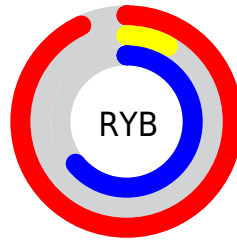
The Yxy color **21.0495, 0.4173, 0.2113** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **60.9584, 0.2841, 0.5365**, and the grayscale version is **13.0546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8772, 0.3552, 0.2168**, and **10.2838, 0.4373, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **20.2748, 0.4299, 0.2142**, and if you desaturate by 10%, it is **22.6494, 0.4026, 0.2123**.

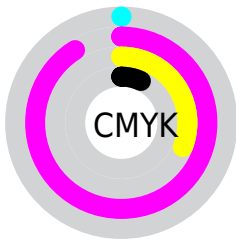
Distribution



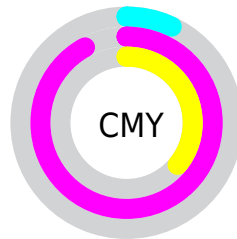
- Red (93%)
- Green (8%)
- Blue (64%)



- Red (93%)
- Yellow (8%)
- Blue (64%)



- Cyan (0%)
- Magenta (91%)
- Yellow (31%)
- Black (7%)




- Cyan (7%)
- Magenta (92%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0495, 0.4173, 0.2113 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 21.0495, 0.4173, 0.2113 by changing the saturation by 10% instead.


 21.0495, 0.4173,
0.2113


 21.0495, 0.4173,
0.2113


257.5414, 0.3619,
0.2712


 13.1602, 0.4320,
0.1963


 45.1699, 0.3965,
0.2331


 7.5389, 0.4513,
0.1773


 62.1698, 0.3889,
0.2413


 3.8014, 0.4777,
0.1524


 82.9753, 0.3825,
0.2482

 1.5631, 0.5154,
0.1192

 107.9709, 0.3771,
0.2542

 0.3325, 0.5830,
0.0578

 137.5409, 0.3725,
0.2593

 0.0000, 0.6927,
0.0000

172.0697, 0.3685,

 0.0000, 1.0000,

0.2637

0.0000

211.9418, 0.3650,
0.2677

■ 0.0000, 0.0000,
0.0000

■ 21.0495, 0.4173,
0.2113

■ 21.0495, 0.4173,
0.2113

■ 20.2748, 0.4299,
0.2142

■ 22.6494, 0.4026,
0.2123

■ 25.2674, 0.3878,
0.2183

■ 29.0525, 0.3735,
0.2287

■ 34.1279, 0.3602,
0.2425

■ 40.6012, 0.3481,
0.2585

■ 48.5687, 0.3374,
0.2758

■ 58.1180, 0.3281,
0.2933

■ 69.3298, 0.3201,
0.3106

■ 82.2796, 0.3134,
0.3271

Harmonies

Analogous

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



21.0495, 0.2637, 0.1588



21.0495, 0.4173, 0.2113



21.0495, 0.5561, 0.2832

Triad

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



21.0495, 0.4173, 0.2113



21.0495, 0.4189, 0.5624



21.0495, 0.0934, 0.1906

Complementary

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



21.0495, 0.4173, 0.2113



60.9584, 0.2841, 0.5365

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.



21.0495, 0.1130, 0.3103



21.0495, 0.4173, 0.2113



21.0495, 0.2956, 0.6177

Square

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



21.0495, 0.4173, 0.2113



21.0495, 0.5299, 0.4561



21.0495, 0.1825, 0.5060



21.0495, 0.1091, 0.1424

Rectangle

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



21.0495, 0.4173, 0.2113



21.0495, 0.5930, 0.3349



21.0495, 0.1825, 0.5060



21.0495, 0.0955, 0.2206

Sweetspot

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



21.0507, 0.4173, 0.2113



62.2647, 0.3334, 0.2829



8.8940, 0.1827, 0.0817



12.5298, 0.3367, 0.2769



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.



21.0507, 0.4173, 0.2113



24.1490, 0.4305, 0.2145



18.6625, 0.5951, 0.3120



15.2231, 0.3189, 0.3134



11.1968, 0.4277, 0.2130



0.8970, 0.4091, 0.2028

Inverse Universe

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



21.0507, 0.4173, 0.2113



24.1490, 0.4305, 0.2145



64.3486, 0.2396, 0.3782



15.2231, 0.3189, 0.3134



11.1968, 0.4277, 0.2130



0.8970, 0.4091, 0.2028

Previews

White Background



This preview shows how the Yxy color 21.0495, 0.4173, 0.2113 looks on a white background.

Color Contrast Check

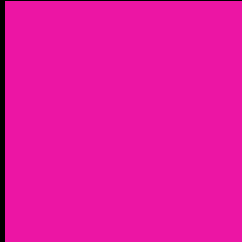
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0495, 0.4173, 0.2113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

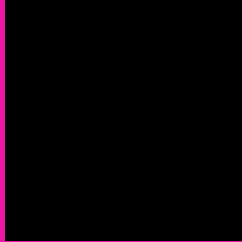
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0495, 0.4173, 0.2113

Background



This preview shows how black text looks on a background with the Yxy color 21.0495, 0.4173, 0.2113.



This preview shows how white text looks on a background with the Yxy color 21.0495, 0.4173, 0.2113.

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

21.0495, 0.4173, 0.2113

Protanopia

21.6973, 0.1959, 0.1728

Deuteranopia

21.4792, 0.2856, 0.2810



Tritanopia

21.1145, 0.5489, 0.3271

Trichromacy



Original Color

21.0495, 0.4173, 0.2113



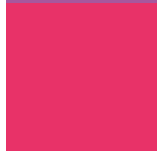
Protanomaly

16.1471, 0.2396, 0.1594



Deuteranomaly

17.4662, 0.3310, 0.2273



Tritanomaly

20.4365, 0.5096, 0.2821

Monochromacy



Original Color

21.0495, 0.4173, 0.2113



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.6947, 0.3588, 0.2425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0495, 0.4173, 0.2113 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(236, 21, 164)` looks like.

```
.text, #text, p{  
    color:rgb(236, 21, 164)  
}
```

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(236, 21, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 21, 164) }
```

Border

The CSS property to change the border of an element to Yxy 21.0495, 0.4173, 0.2113 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(236, 21, 164) }
```

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

```
.border{ border-color:rgb(236, 21, 164) }
```

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

Here you see how a box with a 4 pixel rgb(236, 21, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 21, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 21, 164);  
box-shadow:4px 4px 4px 4px rgb(236, 21,  
164) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.0495, 0.4173, 0.2113$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 21, 164) }
```

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

```
.background{ background-color: rgb(236, 21,  
164) }
```

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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