

Converting Colors

$Yxy(20.7889, 0.4162, 0.2066)$

Have a look what the booklet for
Yxy(20.7889, 0.4162, 0.2066)
contains.

Yxy(20.7577, 0.4162, 0.2067)	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(20.7577, 0.4162, 0.2067)

Conversions

Conversions Part 1

Format	Color
Hex	ED00A6
RGB	237, 0, 166
RGB Percent	93%, 0%, 65%
CMY	0.0707, 0.9984, 0.3491
CMYK	0.00, 1.00, 0.30, 0.07
HSL	318°, 100%, 47%
HSV	318°, 100%, 93%
XYZ	41.7966, 20.7577, 37.8700
YIQ	89.7870, 87.9660, 101.8700

Conversions

Conversions Part 2

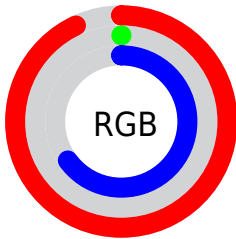
Format	Color
R_{YB}	237, 0, 166
Decimal	15532198
CIE _{Lab}	52.68, 84.17, -22.23
CIE _{LCh}	53, 87.060, 345.205
Yxy	20.7577, 0.4162, 0.2067
Android (android.graphics.Color)	4293722278 (0xFFED00A6)
YUV	89.7870, 37.5730, 129.1058
Hunter-Lab	45.5606, 84.0220, -17.3894

Details

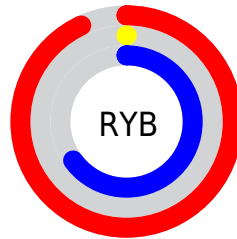
The Yxy color **20.7577, 0.4162, 0.2067** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **61.0079, 0.2894, 0.5619**, and the grayscale version is **10.1260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0298, 0.3535, 0.2114**, and **10.4450, 0.4343, 0.2166** is the 20% darker color. If you saturate the color by 10%, you get **20.7457, 0.4164, 0.2068**, and if you desaturate by 10%, it is **21.6756, 0.4038, 0.2045**.

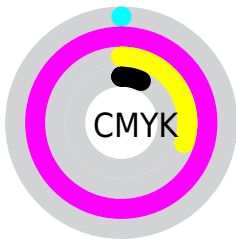
Distribution



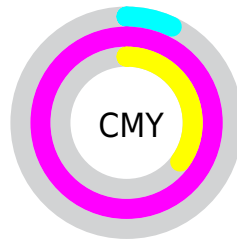
- Red (93%)
- Green (0%)
- Blue (65%)



- Red (93%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (7%)



- Cyan (7%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7577, 0.4162, 0.2067 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 20.7577, 0.4162, 0.2067 by changing the saturation by 10% instead.


 20.7577, 0.4162,
0.2067


 20.7577, 0.4162,
0.2067


255.9880, 0.3617,
0.2686


 12.9470, 0.4306,
0.1914


 44.6839, 0.3958,
0.2292


 7.3921, 0.4494,
0.1719


 61.5683, 0.3883,
0.2377


 3.7085, 0.4749,
0.1466


 82.2459, 0.3820,
0.2448

 1.5119, 0.5112,
0.1133

 107.1013, 0.3767,
0.2510

 0.2971, 0.5767,
0.0504

 136.5188, 0.3721,
0.2563

 0.0000, 0.6704,
0.0000

 170.8828, 0.3682,

 0.0000, 1.0000,

0.2609

0.0000

210.5778, 0.3647,
0.2650

■ 0.0000, 0.0000,
0.0000

■ 20.7577, 0.4162,
0.2067

■ 20.7577, 0.4162,
0.2067

■ 20.7457, 0.4164,
0.2068

■ 21.6756, 0.4038,
0.2045

■ 23.3982, 0.3910,
0.2069

■ 26.1679, 0.3782,
0.2142

■ 30.1296, 0.3657,
0.2257

■ 35.4053, 0.3540,
0.2406

■ 42.1017, 0.3433,
0.2575

■ 50.3148, 0.3339,
0.2756

■ 60.1317, 0.3257,
0.2940

■ 71.6334, 0.3186,
0.3120

Harmonies

Analogous

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



20.7577, 0.2587, 0.1542



20.7577, 0.4162, 0.2067



20.7577, 0.5612, 0.2790

Triad

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



20.7577, 0.4162, 0.2067



20.7577, 0.4221, 0.5650



20.7577, 0.0892, 0.1883

Complementary

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



20.7577, 0.4162, 0.2067



61.0079, 0.2894, 0.5619

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.



20.7577, 0.1092, 0.3128



20.7577, 0.4162, 0.2067



20.7577, 0.2957, 0.6278

Square

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



20.7577, 0.4162, 0.2067



20.7577, 0.5360, 0.4538



20.7577, 0.1803, 0.5176



20.7577, 0.1044, 0.1388

Rectangle

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



20.7577, 0.4162, 0.2067



20.7577, 0.6001, 0.3309



20.7577, 0.1803, 0.5176



20.7577, 0.0914, 0.2193

Sweetspot

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



20.7588, 0.4162, 0.2067



59.1289, 0.3342, 0.2751



7.4744, 0.1690, 0.0705



11.7337, 0.3380, 0.2673



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.



20.7588, 0.4162, 0.2067



24.4939, 0.4169, 0.2070



18.2175, 0.6103, 0.3137



15.2323, 0.3184, 0.3126



11.3549, 0.4145, 0.2057



0.9085, 0.3984, 0.1968

Inverse Universe

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



20.7588, 0.4162, 0.2067



24.4939, 0.4169, 0.2070



64.2504, 0.2431, 0.3951



15.2323, 0.3184, 0.3126



11.3549, 0.4145, 0.2057



0.9085, 0.3984, 0.1968

Previews

White Background



This preview shows how the Yxy color 20.7577, 0.4162, 0.2067 looks on a white background.

Color Contrast Check

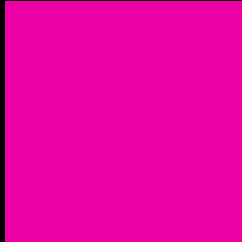
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7577, 0.4162, 0.2067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

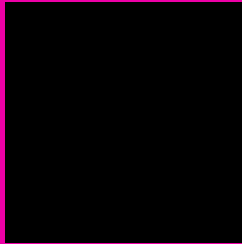
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7577, 0.4162, 0.2067

Background



This preview shows how black text looks on a background with the Yxy color 20.7577, 0.4162, 0.2067.



This preview shows how white text looks on a background with the Yxy color 20.7577, 0.4162, 0.2067.

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

20.7577, 0.4162, 0.2067

Protanopia

21.7949, 0.1923, 0.1680

Deuteranopia

21.4694, 0.2826, 0.2776



Tritanopia

21.1368, 0.5529, 0.3280

Trichromacy



Original Color

20.7577, 0.4162, 0.2067



Protanomaly

15.0409, 0.2328, 0.1473



Deuteranomaly

16.3475, 0.3277, 0.2155



Tritanomaly

19.9790, 0.5135, 0.2778

Monochromacy



Original Color

20.7577, 0.4162, 0.2067



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.0739, 0.3620, 0.2270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7577, 0.4162, 0.2067 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(237, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 166)  
}
```

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(237, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 166) }
```

Border

The CSS property to change the border of an element to Yxy 20.7577, 0.4162, 0.2067 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(237, 0, 166) }
```

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

```
.border{ border-color:rgb(237, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7577, 0.4162, 0.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 166) }
```

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

```
.background{ background-color: rgb(237, 0,  
166) }
```

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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