

Converting Colors

$Y_{xy}(20.6988, 0.4202, 0.2171)$

Have a look what the booklet for
Yxy(20.6988, 0.4202, 0.2171)
contains.

Yxy(20.6920, 0.4197, 0.2168)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6920, 0.4197, 0.2168)

Conversions

Conversions Part 1

Format	Color
Hex	E8209F
RGB	232, 32, 159
RGB Percent	91%, 13%, 62%
CMY	0.0902, 0.8746, 0.3764
CMYK	0.00, 0.86, 0.31, 0.09
HSL	322°, 81%, 52%
HSV	322°, 86%, 91%
XYZ	40.0573, 20.6920, 34.6935
YIQ	106.2780, 78.4330, 81.8970

Conversions

Conversions Part 2

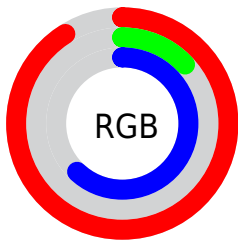
Format	Color
R_{YB}	232, 32, 159
Decimal	15212703
CIE _{Lab}	52.61, 79.14, -18.31
CIE _{LCh}	53, 81.228, 346.974
Yxy	20.6920, 0.4197, 0.2168
Android (android.graphics.Color)	4293402783 (0xFFE8209F)
YUV	106.2780, 25.9919, 110.2582
Hunter-Lab	45.4885, 77.5831, -13.3778

Details

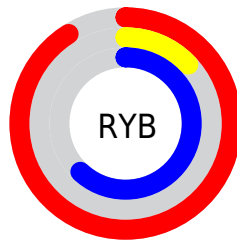
The Yxy color **20.6920, 0.4197, 0.2168** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **59.0452, 0.2804, 0.5174**, and the grayscale version is **14.4011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2182, 0.3603, 0.2233**, and **9.7195, 0.4427, 0.2213** is the 20% darker color. If you saturate the color by 10%, you get **19.5680, 0.4359, 0.2191**, and if you desaturate by 10%, it is **22.7146, 0.4032, 0.2197**.

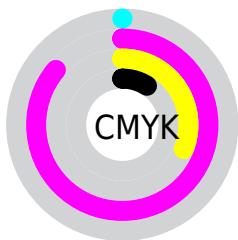
Distribution



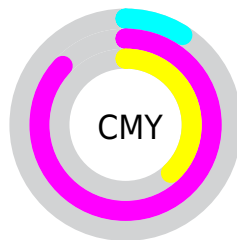
- Red (91%)
- Green (13%)
- Blue (62%)



- Red (91%)
- Yellow (13%)
- Blue (62%)



- Cyan (0%)
- Magenta (86%)
- Yellow (31%)
- Black (9%)




- Cyan (9%)
- Magenta (87%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6920, 0.4197, 0.2168 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 20.6920, 0.4197, 0.2168 by changing the saturation by 10% instead.


 20.6920, 0.4197,
0.2168


 20.6920, 0.4197,
0.2168


255.6371, 0.3624,
0.2745


 12.8991, 0.4351,
0.2021


 44.5744, 0.3980,
0.2380


 7.3591, 0.4556,
0.1833


 61.4326, 0.3901,
0.2459

 3.6877, 0.4839,
0.1585


 82.0813, 0.3836,
0.2526

 1.5004, 0.5249,
0.1248

 106.9050, 0.3780,
0.2583

 0.2890, 0.6024,
0.0566

 136.2881, 0.3733,
0.2632

 0.0000, 0.7542,
0.0000

170.6148, 0.3692,

 0.0000, 1.0000,

0.2674

0.0000

210.2697, 0.3656,
0.2712

■ 0.0000, 0.0000,
0.0000

■ 20.6920, 0.4197,
0.2168

■ 20.6920, 0.4197,
0.2168

■ 19.5680, 0.4359,
0.2191

■ 22.7146, 0.4032,
0.2197

■ 19.2754, 0.4419,
0.2208

■ 25.7925, 0.3869,
0.2275

■ 30.0554, 0.3715,
0.2392

■ 35.6134, 0.3575,
0.2536

■ 42.5639, 0.3450,
0.2697

■ 50.9949, 0.3341,
0.2864

■ 60.9871, 0.3248,
0.3031

■ 72.6153, 0.3170,
0.3193

■ 85.9496, 0.3104,
0.3347

Harmonies

Analogous

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



20.6920, 0.2700, 0.1641



20.6920, 0.4197, 0.2168



20.6920, 0.5514, 0.2882

Triad

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



20.6920, 0.4197, 0.2168



20.6920, 0.4147, 0.5606



20.6920, 0.0981, 0.1923

Complementary

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



20.6920, 0.4197, 0.2168



59.0452, 0.2804, 0.5174

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.



20.6920, 0.1167, 0.3063



20.6920, 0.4197, 0.2168



20.6920, 0.2943, 0.6066

Square

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



20.6920, 0.4197, 0.2168



20.6920, 0.5227, 0.4593



20.6920, 0.1839, 0.4924



20.6920, 0.1146, 0.1461

Rectangle

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



20.6920, 0.4197, 0.2168



20.6920, 0.5855, 0.3397



20.6920, 0.1839, 0.4924



20.6920, 0.0999, 0.2211

Sweetspot

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



20.6931, 0.4197, 0.2168



63.2850, 0.3340, 0.2866



9.6823, 0.1915, 0.0902



12.7199, 0.3376, 0.2807



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.



20.6931, 0.4197, 0.2168



23.8671, 0.4427, 0.2212



18.5367, 0.5826, 0.3115



14.5213, 0.3194, 0.3142



10.7248, 0.4394, 0.2194



0.8102, 0.4176, 0.2074

Inverse Universe

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



20.6931, 0.4197, 0.2168



23.8671, 0.4427, 0.2212



62.2906, 0.2385, 0.3703



14.5213, 0.3194, 0.3142



10.7248, 0.4394, 0.2194



0.8102, 0.4176, 0.2074

Previews

White Background



This preview shows how the Yxy color 20.6920, 0.4197, 0.2168 looks on a white background.

Color Contrast Check

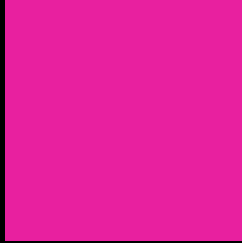
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6920, 0.4197, 0.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

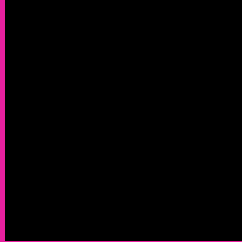
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6920, 0.4197, 0.2168

Background



This preview shows how black text looks on a background with the Yxy color 20.6920, 0.4197, 0.2168.



This preview shows how white text looks on a background with the Yxy color 20.6920, 0.4197, 0.2168.

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

20.6920, 0.4197, 0.2168

Protanopia

21.1802, 0.2035, 0.1825

Deuteranopia

20.9250, 0.2906, 0.2840



Tritanopia

20.7579, 0.5446, 0.3270

Trichromacy



Original Color

20.6920, 0.4197, 0.2168



Protanomaly

16.7079, 0.2511, 0.1736



Deuteranomaly

17.7192, 0.3347, 0.2360



Tritanomaly

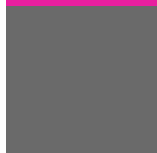
20.2056, 0.5054, 0.2852

Monochromacy



Original Color

20.6920, 0.4197, 0.2168



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.7480, 0.3586, 0.2535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6920, 0.4197, 0.2168 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, 32, 159)` looks like.

```
.text, #text, p{  
    color:rgb(232, 32, 159)  
}
```

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, 32, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 32, 159) }
```

Border

The CSS property to change the border of an element to Yxy 20.6920, 0.4197, 0.2168 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, 32, 159) }
```

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

```
.border{ border-color:rgb(232, 32, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 32, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 32, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 32, 159);  
box-shadow:4px 4px 4px 4px rgb(232, 32,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6920, 0.4197, 0.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 32, 159) }
```

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

```
.background{ background-color: rgb(232, 32,  
159) }
```

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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