

Converting Colors

$Y_{xy}(20.0672, 0.4674, 0.2631)$

Have a look what the booklet for
Yxy(20.0672, 0.4674, 0.2631)
contains.

Yxy(20.0808, 0.4683, 0.2637)	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(20.0808, 0.4683, 0.2637)

Conversions

Conversions Part 1

Format	Color
Hex	E0387A
RGB	224, 56, 122
RGB Percent	88%, 22%, 48%
CMY	0.1217, 0.7802, 0.5216
CMYK	0.00, 0.75, 0.46, 0.12
HSL	336°, 73%, 55%
HSV	336°, 75%, 88%
XYZ	35.6611, 20.0808, 20.4082
YIQ	113.7560, 78.9420, 56.1420

Conversions

Conversions Part 2

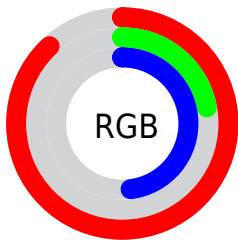
Format	Color
R_{YB}	224, 56, 122
Decimal	14694522
CIE _{Lab}	51.93, 67.83, 2.66
CIE _{LCh}	52, 67.882, 2.246
Yxy	20.0808, 0.4683, 0.2637
Android (android.graphics.Color)	4292884602 (0xFFE0387A)
YUV	113.7560, 4.0643, 96.6840
Hunter-Lab	44.8116, 63.6302, 4.3661

Details

The Yxy color **20.0808, 0.4683, 0.2637** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **56.6086, 0.2600, 0.4271**, and the grayscale version is **16.7279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0386, 0.4045, 0.2712**, and **8.2809, 0.5132, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **18.0588, 0.4998, 0.2653**, and if you desaturate by 10%, it is **23.1228, 0.4375, 0.2669**.

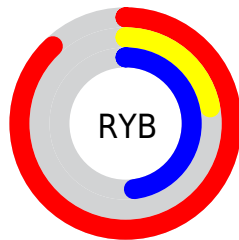
Distribution



Red (88%)

Green (22%)

Blue (48%)



Red (88%)

Yellow (22%)

Blue (48%)

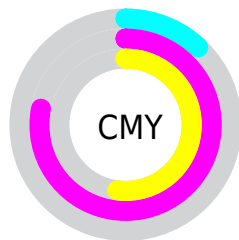


Cyan (0%)

Magenta (75%)

Yellow (46%)

Black (12%)



Cyan (12%)

Magenta (78%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0808, 0.4683, 0.2637 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 20.0808, 0.4683, 0.2637 by changing the saturation by 10% instead.


 20.0808, 0.4683,
0.2637


 20.0808, 0.4683,
0.2637


252.3522, 0.3806,
0.3011


 12.4538, 0.4937,
0.2526

 43.5526, 0.4339,
0.2785

 7.0535, 0.5286,
0.2373


 60.1662, 0.4217,
0.2837


 3.4956, 0.5785,
0.2149

 80.5441, 0.4117,
0.2880

 1.3956, 0.6544,
0.1802

 105.0707, 0.4034,
0.2915

 0.2135, 0.8994,
0.0826

 134.1304, 0.3964,
0.2945

 0.0000, 1.0000,
0.0000

168.1077, 0.3904,

 0.0000, 0.0000,

0.2970

0.0000

207.3868, 0.3851,
0.2992

■ 20.0808, 0.4683,
0.2637

■ 20.0808, 0.4683,
0.2637

■ 18.0588, 0.4998,
0.2653

■ 23.1228, 0.4375,
0.2669

■ 16.9108, 0.5297,
0.2722


■ 27.2979, 0.4092,
0.2737

■ 16.5467, 0.5439,
0.2770


■ 32.7081, 0.3842,
0.2828


■ 39.4425, 0.3628,
0.2930

■ 47.5824, 0.3449,
0.3037

 57.2021, 0.3301,
0.3142

 68.3708, 0.3179,
0.3242

 81.1535, 0.3080,
0.3336

 93.9197, 0.2998,
0.3397

Harmonies

Analogous

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



20.0808, 0.3400, 0.2043



20.0808, 0.4683, 0.2637



20.0808, 0.5448, 0.3350

Triad

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



20.0808, 0.4683, 0.2637



20.0808, 0.3585, 0.5606



20.0808, 0.1239, 0.1836

Complementary

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



20.0808, 0.4683, 0.2637



56.6086, 0.2600, 0.4271

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.



20.0808, 0.1254, 0.2540



20.0808, 0.4683, 0.2637



20.0808, 0.2511, 0.5260

Square

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



20.0808, 0.4683, 0.2637



20.0808, 0.4610, 0.4985



20.0808, 0.1661, 0.3852



20.0808, 0.1559, 0.1596

Rectangle

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



20.0808, 0.4683, 0.2637



20.0808, 0.5468, 0.3863



20.0808, 0.1661, 0.3852



20.0808, 0.1206, 0.2009

Sweetspot

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



20.0819, 0.4683, 0.2637



67.2776, 0.3404, 0.3067



15.3629, 0.2476, 0.1324



13.6876, 0.3448, 0.3038



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.



20.0819, 0.4683, 0.2637



23.2291, 0.5171, 0.2686



20.8743, 0.5573, 0.3440



13.7892, 0.3231, 0.3198



9.6552, 0.5399, 0.2748



0.6865, 0.4988, 0.2521

Inverse Universe

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



20.0819, 0.4683, 0.2637



23.2291, 0.5171, 0.2686



50.9361, 0.2246, 0.3055



13.7892, 0.3231, 0.3198



9.6552, 0.5399, 0.2748



0.6865, 0.4988, 0.2521

Previews

White Background



This preview shows how the Yxy color 20.0808, 0.4683, 0.2637 looks on a white background.

Color Contrast Check

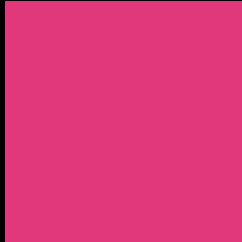
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0808, 0.4683, 0.2637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

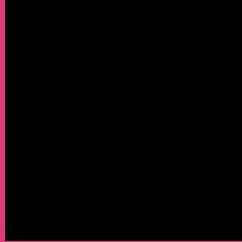
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0808, 0.4683, 0.2637

Background



This preview shows how black text looks on a background with the Yxy color 20.0808, 0.4683, 0.2637.



This preview shows how white text looks on a background with the Yxy color 20.0808, 0.4683, 0.2637.

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

20.0808, 0.4683, 0.2637

Protanopia

20.3165, 0.2645, 0.2627

Deuteranopia

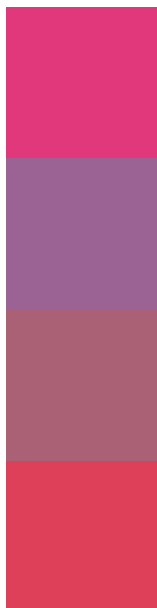
20.2233, 0.3455, 0.3397



Tritanopia

20.0963, 0.5387, 0.3269

Trichromacy



Original Color

20.0808, 0.4683, 0.2637

Protanomaly

17.9003, 0.3256, 0.2528

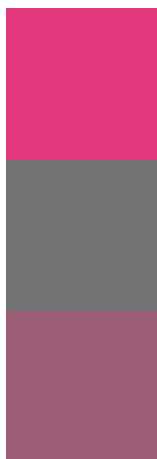
Deuteranomaly

18.4917, 0.3923, 0.2988

Tritanomaly

19.9346, 0.5163, 0.3045

Monochromacy



Original Color

20.0808, 0.4683, 0.2637

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

15.9831, 0.3700, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0808, 0.4683, 0.2637 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(224, 56, 122)` looks like.

```
.text, #text, p{  
    color:rgb(224, 56, 122)  
}
```

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(224, 56, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 56, 122) }
```

Border

The CSS property to change the border of an element to Yxy 20.0808, 0.4683, 0.2637 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(224, 56, 122) }
```

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

```
.border{ border-color:rgb(224, 56, 122) }
```

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

Here you see how a box with a 4 pixel rgb(224, 56, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 56, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 56, 122);  
box-shadow:4px 4px 4px 4px rgb(224, 56,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0808, 0.4683, 0.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 56, 122) }
```

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

```
.background{ background-color: rgb(224, 56,  
122) }
```

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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