

Converting Colors

$Y_{xy}(20.8235, 0.4513, 0.2574)$

Have a look what the booklet for
Yxy(20.8235, 0.4513, 0.2574)
contains.

Yxy(20.8235, 0.4513, 0.2574)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.8235, 0.4513, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	E03D83
RGB	224, 61, 131
RGB Percent	88%, 24%, 51%
CMY	0.1215, 0.7608, 0.4863
CMYK	0.00, 0.73, 0.42, 0.12
HSL	334°, 72%, 56%
HSV	334°, 73%, 88%
XYZ	36.5099, 20.8235, 23.5660
YIQ	117.7170, 74.6780, 56.3260

Conversions

Conversions Part 2

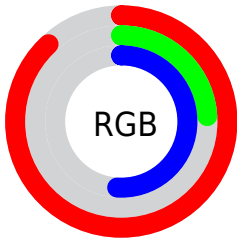
Format	Color
R_{YB}	224, 61, 131
Decimal	14695811
CIE _{Lab}	52.76, 67.10, -1.54
CIE _{LCh}	53, 67.120, 358.689
Yxy	20.8235, 0.4513, 0.2574
Android (android.graphics.Color)	4292885891 (0xFFE03D83)
YUV	117.7170, 6.5485, 93.2102
Hunter-Lab	45.6328, 62.9570, 1.3240

Details

The Yxy color **20.8235, 0.4513, 0.2574** 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 **56.6460, 0.2632, 0.4332**, and the grayscale version is **17.9837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3954, 0.3915, 0.2650**, and **8.3957, 0.4927, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **18.5871, 0.4806, 0.2571**, and if you desaturate by 10%, it is **24.1029, 0.4232, 0.2623**.

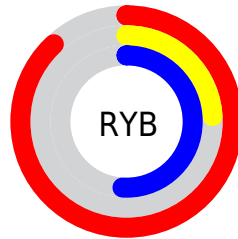
Distribution



Red (88%)

Green (24%)

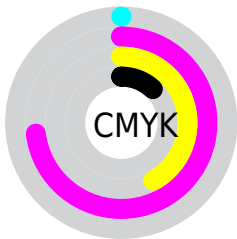
Blue (51%)



Red (88%)

Yellow (24%)

Blue (51%)

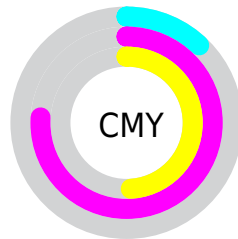


Cyan (0%)

Magenta (73%)

Yellow (42%)

Black (12%)



Cyan (12%)


Magenta (76%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8235, 0.4513, 0.2574 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 20.8235, 0.4513, 0.2574 by changing the saturation by 10% instead.


 20.8235, 0.4513,
0.2574


 20.8235, 0.4513,
0.2574


256.3390, 0.3739,
0.2971


 12.9950, 0.4735,
0.2461


 44.7936, 0.4211,
0.2728

 7.4251, 0.5038,
0.2308


 61.7040, 0.4104,
0.2783

 3.7294, 0.5472,
0.2091

 82.4106, 0.4016,
0.2828

 1.5234, 0.6135,
0.1762

 107.2977, 0.3942,
0.2866

 0.3051, 0.7678,
0.0951

 136.7497, 0.3880,
0.2898

 0.0000, 1.0000,
0.0000

171.1509, 0.3826,

 0.0000, 0.0000,

0.2926

0.0000

210.8859, 0.3780,
0.2950

■ 20.8235, 0.4513,
0.2574

■ 20.8235, 0.4513,
0.2574

■ 18.5871, 0.4806,
0.2571

■ 24.1029, 0.4232,
0.2623

■ 17.2550, 0.5092,
0.2622


■ 28.5341, 0.3976,
0.2706

■ 16.6984, 0.5287,
0.2686


■ 34.2157, 0.3751,
0.2809

■ 41.2349, 0.3559,
0.2923

■ 49.6709, 0.3398,
0.3039

 59.5968, 0.3264,
0.3153

 71.0804, 0.3154,
0.3261

 84.1855, 0.3064,
0.3362

 94.0260, 0.2989,
0.3380

Harmonies

Analogous

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



20.8235, 0.3247, 0.2009



20.8235, 0.4513, 0.2574



20.8235, 0.5354, 0.3271

Triad

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



20.8235, 0.4513, 0.2574



20.8235, 0.3714, 0.5519



20.8235, 0.1253, 0.1920

Complementary

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



20.8235, 0.4513, 0.2574



56.6460, 0.2632, 0.4332

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.



20.8235, 0.1312, 0.2682



20.8235, 0.4513, 0.2574



20.8235, 0.2650, 0.5315

Square

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



20.8235, 0.4513, 0.2574



20.8235, 0.4699, 0.4868



20.8235, 0.1769, 0.4021



20.8235, 0.1530, 0.1635

Rectangle

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



20.8235, 0.4513, 0.2574



20.8235, 0.5447, 0.3773



20.8235, 0.1769, 0.4021



20.8235, 0.1234, 0.2111

Sweetspot

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



20.8247, 0.4513, 0.2574



67.3881, 0.3389, 0.3046



15.5271, 0.2445, 0.1340



13.7135, 0.3429, 0.3015



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.



20.8247, 0.4513, 0.2574



23.9256, 0.4946, 0.2589



20.8028, 0.5526, 0.3391



13.7978, 0.3225, 0.3190



9.7399, 0.5248, 0.2665



0.6928, 0.4858, 0.2450

Inverse Universe

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



20.8247, 0.4513, 0.2574



23.9256, 0.4946, 0.2589



54.0381, 0.2278, 0.3139



13.7978, 0.3225, 0.3190



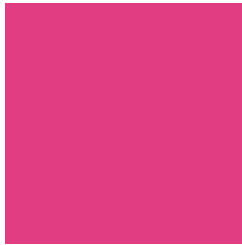
9.7399, 0.5248, 0.2665



0.6928, 0.4858, 0.2450

Previews

White Background



This preview shows how the Yxy color 20.8235, 0.4513, 0.2574 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 20.8235, 0.4513, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

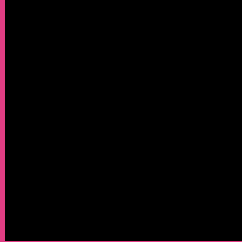
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8235, 0.4513, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 20.8235, 0.4513, 0.2574.



This preview shows how white text looks on a background with the Yxy color 20.8235, 0.4513, 0.2574.

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

20.8235, 0.4513, 0.2574

Protanopia

21.1182, 0.2556, 0.2512

Deuteranopia

20.9246, 0.3340, 0.3273



Tritanopia

20.8198, 0.5264, 0.3257

Trichromacy



Original Color

20.8235, 0.4513, 0.2574

Protanomaly

18.6753, 0.3128, 0.2446

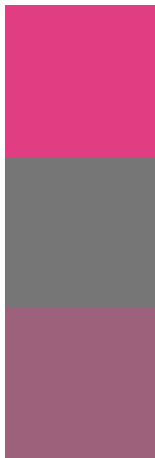
Deuteranomaly

19.2786, 0.3775, 0.2898

Tritanomaly

20.6489, 0.5020, 0.3013

Monochromacy



Original Color

20.8235, 0.4513, 0.2574

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.1475, 0.3638, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8235, 0.4513, 0.2574 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, 61, 131)` looks like.

```
.text, #text, p{  
    color:rgb(224, 61, 131)  
}
```

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, 61, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 61, 131) }
```

Border

The CSS property to change the border of an element to Yxy 20.8235, 0.4513, 0.2574 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, 61, 131) }
```

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

```
.border{ border-color:rgb(224, 61, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 61, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 61, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 61, 131);  
box-shadow:4px 4px 4px 4px rgb(224, 61,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8235, 0.4513, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 61, 131) }
```

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

```
.background{ background-color: rgb(224, 61,  
131) }
```

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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