

Converting Colors

$Yxy(20.3069, 0.5071, 0.3019)$

Have a look what the booklet for
Yxy(20.3069, 0.5071, 0.3019)
contains.

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Color

Yxy(20.3701, 0.5064, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	DE435F
RGB	222, 67, 95
RGB Percent	87%, 26%, 37%
CMY	0.1295, 0.7371, 0.6274
CMYK	0.00, 0.70, 0.57, 0.13
HSL	349°, 70%, 57%
HSV	349°, 70%, 87%
XYZ	34.1910, 20.3701, 12.9567
YIQ	116.5370, 83.3920, 41.5680

Conversions

Conversions Part 2

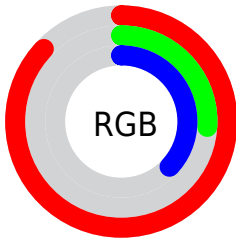
Format	Color
R_{YB}	222, 67, 95
Decimal	14566239
CIE _{Lab}	52.25, 61.41, 19.31
CIE _{LCh}	52, 64.368, 17.453
Yxy	20.3701, 0.5064, 0.3017
Android (android.graphics.Color)	4292756319 (0xFFDE435F)
YUV	116.5370, -10.6177, 92.4911
Hunter-Lab	45.1332, 56.2406, 14.5726

Details

The Yxy color **20.3701, 0.5064, 0.3017** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **57.3189, 0.2453, 0.3684**, and the grayscale version is **17.6583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9716, 0.4367, 0.3089**, and **7.6953, 0.5713, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **17.9237, 0.5484, 0.3036**, and if you desaturate by 10%, it is **23.9071, 0.4647, 0.3027**.

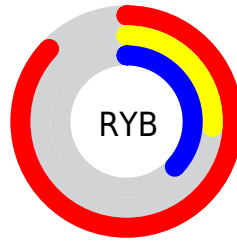
Distribution



Red (87%)

Green (26%)

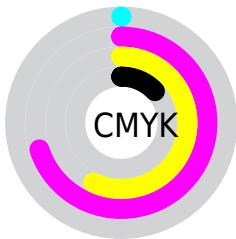
Blue (37%)



Red (87%)

Yellow (26%)

Blue (37%)

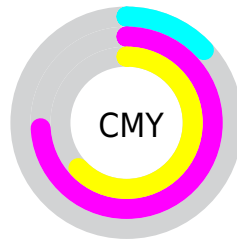


Cyan (0%)

Magenta (70%)

Yellow (57%)

Black (13%)



Cyan (13%)


Magenta (74%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3701, 0.5064, 0.3017 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 20.3701, 0.5064, 0.3017 by changing the saturation by 10% instead.


 20.3701, 0.5064,
0.3017

 20.3701, 0.5064,
0.3017

253.9117, 0.3965,
0.3221


 12.6644, 0.5379,
0.2936


 44.0368, 0.4633,
0.3112


 7.1978, 0.5804,
0.2810


 60.7666, 0.4481,
0.3141


 3.5861, 0.6395,
0.2603

 81.2731, 0.4356,
0.3163

 1.4449, 0.7483,
0.2313

 105.9409, 0.4251,
0.3180

 0.2494, 0.8934,
0.1066

 135.1542, 0.4163,
0.3193

 0.0000, 1.0000,
0.0000

169.2975, 0.4088,

 0.0000, 0.0000,

0.3204

0.0000

208.7552, 0.4022,
0.3213

■ 20.3701, 0.5064,
0.3017

■ 20.3701, 0.5064,
0.3017

■ 17.9237, 0.5484,
0.3036

■ 23.9071, 0.4647,
0.3027

■ 16.4362, 0.5859,
0.3087

■ 28.6396, 0.4269,
0.3058


■ 15.6913, 0.6143,
0.3159


■ 34.6637, 0.3942,
0.3101


■ 15.6790, 0.6148,
0.3160

■ 42.0652, 0.3671,
0.3150

■ 50.9222, 0.3449,
0.3199

 61.3069, 0.3269,
0.3246

 73.2869, 0.3125,
0.3291

 86.9257, 0.3008,
0.3332

 94.2654, 0.2929,
0.3289

Harmonies

Analogous

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



20.3701, 0.4022, 0.2368



20.3701, 0.5064, 0.3017



20.3701, 0.5386, 0.3746

Triad

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



20.3701, 0.5064, 0.3017



20.3701, 0.3060, 0.5454



20.3701, 0.1428, 0.1739

Complementary

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



20.3701, 0.5064, 0.3017



57.3189, 0.2453, 0.3684

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.



20.3701, 0.1280, 0.2176



20.3701, 0.5064, 0.3017



20.3701, 0.2094, 0.4530

Square

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



20.3701, 0.5064, 0.3017



20.3701, 0.4093, 0.5279



20.3701, 0.1477, 0.3136



20.3701, 0.1921, 0.1670

Rectangle

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



20.3701, 0.5064, 0.3017



20.3701, 0.5167, 0.4269



20.3701, 0.1477, 0.3136



20.3701, 0.1342, 0.1837

Sweetspot

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



20.3713, 0.5064, 0.3017



67.9522, 0.3476, 0.3192



20.7046, 0.2890, 0.1603



13.7950, 0.3535, 0.3178



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.



20.3713, 0.5064, 0.3017



23.4032, 0.5675, 0.3057



28.4463, 0.5007, 0.3810



13.7407, 0.3264, 0.3248



9.3272, 0.6117, 0.3144



0.6585, 0.5707, 0.2918

Inverse Universe

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



20.3713, 0.5064, 0.3017



23.4032, 0.5675, 0.3057



36.3210, 0.2154, 0.2572



13.7407, 0.3264, 0.3248



9.3272, 0.6117, 0.3144



0.6585, 0.5707, 0.2918

Previews

White Background



This preview shows how the Yxy color 20.3701, 0.5064, 0.3017 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 20.3701, 0.5064, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

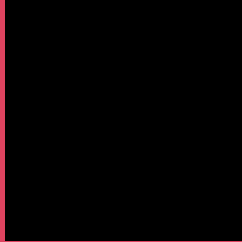
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3701, 0.5064, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 20.3701, 0.5064, 0.3017.



This preview shows how white text looks on a background with the Yxy color 20.3701, 0.5064, 0.3017.

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

20.3701, 0.5064, 0.3017

Protanopia

20.6616, 0.3197, 0.3345

Deuteranopia

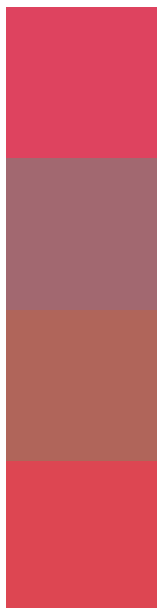
20.5106, 0.3914, 0.3854



Tritanopia

20.3866, 0.5329, 0.3259

Trichromacy



Original Color

20.3701, 0.5064, 0.3017

Protanomaly

18.7519, 0.3842, 0.3164

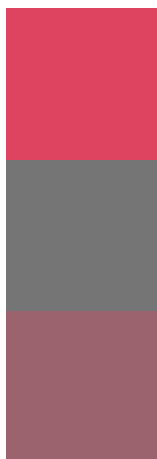
Deuteranomaly

19.2757, 0.4374, 0.3455

Tritanomaly

20.3617, 0.5236, 0.3180

Monochromacy



Original Color

20.3701, 0.5064, 0.3017

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.9964, 0.3813, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3701, 0.5064, 0.3017 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(222, 67, 95)` looks like.

```
.text, #text, p{  
    color:rgb(222, 67, 95)  
}
```

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(222, 67, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 67, 95) }
```

Border

The CSS property to change the border of an element to Yxy 20.3701, 0.5064, 0.3017 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(222, 67, 95) }
```

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

```
.border{ border-color:rgb(222, 67, 95) }
```

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

Here you see how a box with a 4 pixel rgb(222, 67, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 67, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 67, 95);  
box-shadow:4px 4px 4px 4px rgb(222, 67,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3701, 0.5064, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 67, 95) }
```

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

```
.background{ background-color: rgb(222, 67,  
95) }
```

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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