

Converting Colors

$Y_{xy}(21.0605, 0.5058, 0.3018)$

Have a look what the booklet for
Yxy(21.0605, 0.5058, 0.3018)
contains.

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Color

Yxy(21.0049, 0.5055, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	E14461
RGB	225, 68, 97
RGB Percent	88%, 27%, 38%
CMY	0.1177, 0.7333, 0.6196
CMYK	0.00, 0.70, 0.57, 0.12
HSL	349°, 72%, 57%
HSV	349°, 70%, 88%
XYZ	35.2757, 21.0049, 13.5032
YIQ	118.2490, 84.2630, 42.3030

Conversions

Conversions Part 2

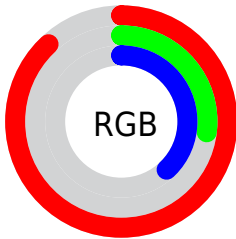
Format	Color
R_{YB}	225, 68, 97
Decimal	14763105
CIE _{Lab}	52.95, 62.10, 19.15
CIE _{LCh}	53, 64.987, 17.139
Yxy	21.0049, 0.5055, 0.3010
Android (android.graphics.Color)	4292953185 (0xFFE14461)
YUV	118.2490, -10.4758, 93.6206
Hunter-Lab	45.8311, 57.1850, 14.6132

Details

The Yxy color **21.0049, 0.5055, 0.3010** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **59.0652, 0.2456, 0.3694**, and the grayscale version is **18.2143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2883, 0.4338, 0.3078**, and **8.0255, 0.5693, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **18.4829, 0.5474, 0.3029**, and if you desaturate by 10%, it is **24.6521, 0.4640, 0.3021**.

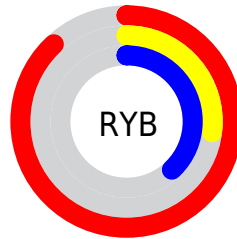
Distribution



Red (88%)

Green (27%)

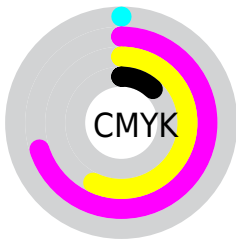
Blue (38%)



Red (88%)

Yellow (27%)

Blue (38%)

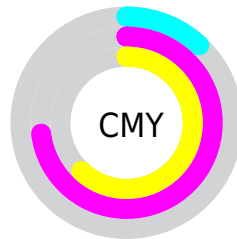


Cyan (0%)

Magenta (70%)

Yellow (57%)

Black (12%)



Cyan (12%)


Magenta (73%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0049, 0.5055, 0.3010 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 21.0049, 0.5055, 0.3010 by changing the saturation by 10% instead.


 21.0049, 0.5055,
0.3010


 21.0049, 0.5055,
0.3010


257.3045, 0.3966,
0.3216

 13.1276, 0.5365,
0.2930


 45.0957, 0.4630,
0.3105

 7.5165, 0.5782,
0.2806


 62.0780, 0.4479,
0.3134


 3.7871, 0.6361,
0.2604

 82.8640, 0.4354,
0.3156

 1.5552, 0.7363,
0.2307

 107.8382, 0.4251,
0.3174

 0.3271, 0.8736,
0.1264

 137.3849, 0.4163,
0.3188

 0.0000, 1.0000,
0.0000

171.8887, 0.4088,

 0.0000, 0.0000,

0.3199

0.0000

211.7337, 0.4023,
0.3208

■ 21.0049, 0.5055,
0.3010

■ 21.0049, 0.5055,
0.3010

■ 18.4829, 0.5474,
0.3029

■ 24.6521, 0.4640,
0.3021

■ 16.9501, 0.5849,
0.3080

■ 29.5329, 0.4263,
0.3053


■ 16.1853, 0.6134,
0.3154

■ 35.7467, 0.3938,
0.3097


■ 16.1712, 0.6140,
0.3156

■ 43.3819, 0.3668,
0.3146

■ 52.5192, 0.3447,
0.3197

 63.2334, 0.3268,
0.3245

 75.5940, 0.3124,
0.3291

 89.6666, 0.3008,
0.3333

 94.7473, 0.2946,
0.3289

Harmonies

Analogous

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



21.0049, 0.4009, 0.2362



21.0049, 0.5055, 0.3010



21.0049, 0.5386, 0.3738

Triad

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



21.0049, 0.5055, 0.3010



21.0049, 0.3071, 0.5456



21.0049, 0.1426, 0.1742

Complementary

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



21.0049, 0.5055, 0.3010



59.0652, 0.2456, 0.3694

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.



21.0049, 0.1281, 0.2184



21.0049, 0.5055, 0.3010



21.0049, 0.2104, 0.4544

Square

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



21.0049, 0.5055, 0.3010



21.0049, 0.4103, 0.5272



21.0049, 0.1482, 0.3150



21.0049, 0.1914, 0.1670

Rectangle

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



21.0049, 0.5055, 0.3010



21.0049, 0.5172, 0.4261



21.0049, 0.1482, 0.3150



21.0049, 0.1341, 0.1842

Sweetspot

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



21.0061, 0.5055, 0.3010



67.9634, 0.3475, 0.3190



20.9886, 0.2862, 0.1589



13.7976, 0.3533, 0.3176



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.



21.0061, 0.5055, 0.3010



23.4164, 0.5663, 0.3050



28.7111, 0.5035, 0.3780



13.7417, 0.3263, 0.3247



9.3312, 0.6107, 0.3138



0.6590, 0.5694, 0.2910

Inverse Universe

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



21.0061, 0.5055, 0.3010



23.4164, 0.5663, 0.3050



38.4677, 0.2164, 0.2611



13.7417, 0.3263, 0.3247



9.3312, 0.6107, 0.3138



0.6590, 0.5694, 0.2910

Previews

White Background



This preview shows how the Yxy color 21.0049, 0.5055, 0.3010 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 21.0049, 0.5055, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

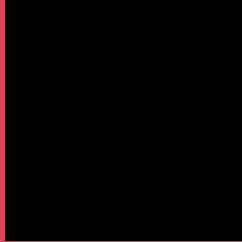
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0049, 0.5055, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 21.0049, 0.5055, 0.3010.



This preview shows how white text looks on a background with the Yxy color 21.0049, 0.5055, 0.3010.

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

21.0049, 0.5055, 0.3010

Protanopia

21.1482, 0.3186, 0.3308

Deuteranopia

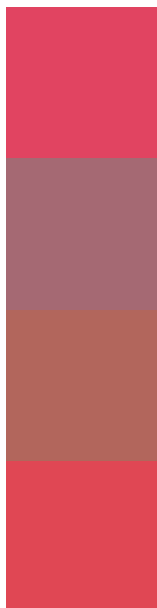
21.2196, 0.3903, 0.3847



Tritanopia

21.0038, 0.5332, 0.3259

Trichromacy



Original Color

21.0049, 0.5055, 0.3010

Protanomaly

19.3403, 0.3835, 0.3134

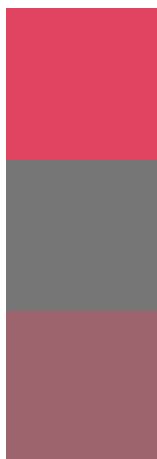
Deuteranomaly

19.7404, 0.4363, 0.3439

Tritanomaly

20.9939, 0.5225, 0.3171

Monochromacy



Original Color

21.0049, 0.5055, 0.3010

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.4082, 0.3822, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0049, 0.5055, 0.3010 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(225, 68, 97)` looks like.

```
.text, #text, p{  
  color:rgb(225, 68, 97)  
}
```

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(225, 68, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 68, 97) }
```

Border

The CSS property to change the border of an element to Yxy 21.0049, 0.5055, 0.3010 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(225, 68, 97) }
```

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

```
.border{ border-color:rgb(225, 68, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 68, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 68, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 68, 97);  
box-shadow:4px 4px 4px 4px rgb(225, 68,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0049, 0.5055, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 68, 97) }
```

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

```
.background{ background-color: rgb(225, 68,  
97) }
```

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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