

Converting Colors

$Y_{xy}(21.2787, 0.5160, 0.2984)$

Have a look what the booklet for
Yxy(21.2787, 0.5160, 0.2984)
contains.

Yxy(21.2787, 0.5160, 0.2984)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2787, 0.5160, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	E73E60
RGB	231, 62, 96
RGB Percent	91%, 24%, 38%
CMY	0.0940, 0.7570, 0.6235
CMYK	0.00, 0.73, 0.58, 0.09
HSL	348°, 78%, 57%
HSV	348°, 73%, 91%
XYZ	36.7956, 21.2787, 13.2350
YIQ	116.4070, 89.8100, 46.4020

Conversions

Conversions Part 2

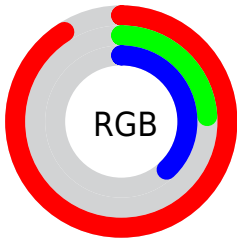
Format	Color
R_{YB}	231, 62, 96
Decimal	15154784
CIE _{Lab}	53.25, 65.90, 20.33
CIE _{LCh}	53, 68.968, 17.144
Yxy	21.2787, 0.5160, 0.2984
Android (android.graphics.Color)	4293344864 (0xFFE73E60)
YUV	116.4070, -10.0607, 100.4981
Hunter-Lab	46.1288, 61.6587, 15.2791

Details

The Yxy color **21.2787, 0.5160, 0.2984** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **62.2209, 0.2455, 0.3758**, and the grayscale version is **17.6039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2544, 0.4368, 0.3048**, and **8.6653, 0.5761, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **18.9794, 0.5566, 0.3014**, and if you desaturate by 10%, it is **24.7271, 0.4746, 0.2988**.

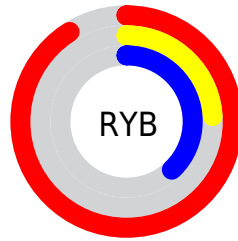
Distribution



Red (91%)

Green (24%)

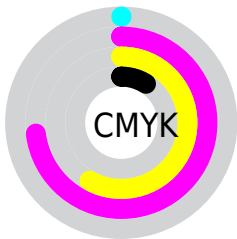
Blue (38%)



Red (91%)

Yellow (24%)

Blue (38%)

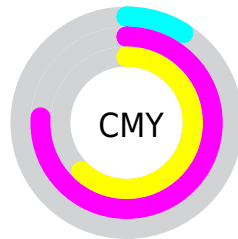


Cyan (0%)

Magenta (73%)

Yellow (58%)

Black (9%)



Cyan (9%)


Magenta (76%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2787, 0.5160, 0.2984 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 21.2787, 0.5160, 0.2984 by changing the saturation by 10% instead.


 21.2787, 0.5160,
0.2984


 21.2787, 0.5160,
0.2984


258.7559, 0.4016,
0.3209

 13.3279, 0.5482,
0.2897


 45.5509, 0.4715,
0.3087


 7.6547, 0.5912,
0.2764


 62.6411, 0.4557,
0.3119

 3.8748, 0.6500,
0.2549

 83.5465, 0.4426,
0.3144

 1.6038, 0.7514,
0.2239

 108.6515, 0.4317,
0.3163

 0.3601, 0.8745,
0.1255

 138.3406, 0.4225,
0.3178

 0.0000, 1.0000,
0.0000

172.9981, 0.4145,

 0.0000, 0.0000,

0.3191

0.0000

213.0084, 0.4076,
0.3201

■ 21.2787, 0.5160,
0.2984

■ 21.2787, 0.5160,
0.2984

■ 18.9794, 0.5566,
0.3014

■ 24.7271, 0.4746,
0.2988

■ 17.6738, 0.5914,
0.3080


■ 29.4464, 0.4361,
0.3017

■ 17.1947, 0.6101,
0.3135

■ 35.5467, 0.4025,
0.3062

■ 43.1255, 0.3742,
0.3114

■ 52.2710, 0.3510,
0.3169

 63.0648, 0.3321,
0.3223

 75.5827, 0.3169,
0.3275

 89.8957, 0.3046,
0.3322

 95.7334, 0.2982,
0.3290

Harmonies

Analogous

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



21.2787, 0.4053, 0.2318



21.2787, 0.5160, 0.2984



21.2787, 0.5492, 0.3729

Triad

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



21.2787, 0.5160, 0.2984



21.2787, 0.3046, 0.5592



21.2787, 0.1359, 0.1675

Complementary

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



21.2787, 0.5160, 0.2984



62.2209, 0.2455, 0.3758

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.



21.2787, 0.1208, 0.2123



21.2787, 0.5160, 0.2984



21.2787, 0.2044, 0.4624

Square

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



21.2787, 0.5160, 0.2984



21.2787, 0.4120, 0.5356



21.2787, 0.1408, 0.3130



21.2787, 0.1860, 0.1606

Rectangle

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



21.2787, 0.5160, 0.2984



21.2787, 0.5253, 0.4271



21.2787, 0.1408, 0.3130



21.2787, 0.1272, 0.1775

Sweetspot

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



21.2799, 0.5160, 0.2984



66.7237, 0.3488, 0.3175



20.7350, 0.2814, 0.1515



13.5584, 0.3545, 0.3160



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.



21.2799, 0.5160, 0.2984



22.7379, 0.5761, 0.3045



28.4645, 0.5195, 0.3754



14.4152, 0.3261, 0.3243



9.6512, 0.6066, 0.3115



0.7263, 0.5668, 0.2896

Inverse Universe

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



21.2799, 0.5160, 0.2984



22.7379, 0.5761, 0.3045



40.7137, 0.2142, 0.2613



14.4152, 0.3261, 0.3243



9.6512, 0.6066, 0.3115



0.7263, 0.5668, 0.2896

Previews

White Background



This preview shows how the Yxy color 21.2787, 0.5160, 0.2984 looks on a white background.

Color Contrast Check

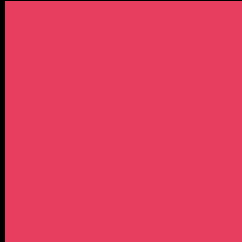
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2787, 0.5160, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

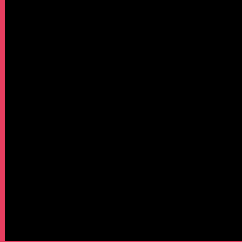
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2787, 0.5160, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 21.2787, 0.5160, 0.2984.



This preview shows how white text looks on a background with the Yxy color 21.2787, 0.5160, 0.2984.

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

21.2787, 0.5160, 0.2984

Protanopia

21.4309, 0.3174, 0.3308

Deuteranopia

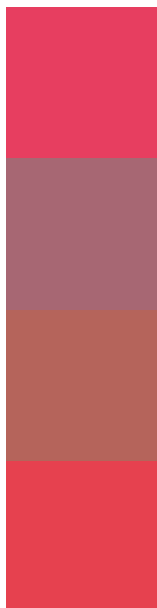
21.2990, 0.3928, 0.3861



Tritanopia

21.2795, 0.5496, 0.3272

Trichromacy



Original Color

21.2787, 0.5160, 0.2984

Protanomaly

19.1538, 0.3871, 0.3105

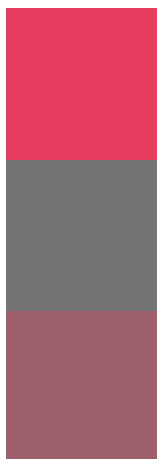
Deuteranomaly

19.6934, 0.4431, 0.3422

Tritanomaly

21.1681, 0.5388, 0.3174

Monochromacy



Original Color

21.2787, 0.5160, 0.2984

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.7390, 0.3870, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2787, 0.5160, 0.2984 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(231, 62, 96)` looks like.

```
.text, #text, p{  
    color:rgb(231, 62, 96)  
}
```

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(231, 62, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 62, 96) }
```

Border

The CSS property to change the border of an element to Yxy 21.2787, 0.5160, 0.2984 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(231, 62, 96) }
```

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

```
.border{ border-color:rgb(231, 62, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 62, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 62, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 62, 96);  
box-shadow:4px 4px 4px 4px rgb(231, 62,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2787, 0.5160, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 62, 96) }
```

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

```
.background{ background-color: rgb(231, 62,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor