

Converting Colors

$Yxy(21.2687, 0.4689, 0.2497)$

Have a look what the booklet for
Yxy(21.2687, 0.4689, 0.2497)
contains.

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Color

Yxy(21.2563, 0.4694, 0.2502)

Conversions

Conversions Part 1

Format	Color
Hex	ED2984
RGB	237, 41, 132
RGB Percent	93%, 16%, 52%
CMY	0.0706, 0.8390, 0.4824
CMYK	0.00, 0.83, 0.44, 0.07
HSL	332°, 84%, 55%
HSV	332°, 83%, 93%
XYZ	39.8789, 21.2563, 23.8220
YIQ	109.9780, 87.6050, 69.8530

Conversions

Conversions Part 2

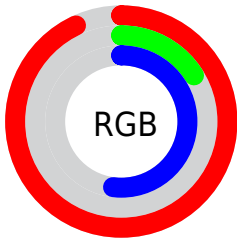
Format	Color
R_{YB}	237, 41, 132
Decimal	15542660
CIE Lab	53.23, 75.92, -1.15
CIE LCh	53, 75.924, 359.129
Yxy	21.2563, 0.4694, 0.2502
Android (android.graphics.Color)	4293732740 (0xFFED2984)
YUV	109.9780, 10.8568, 111.3983
Hunter-Lab	46.1046, 73.7137, 1.6383

Details

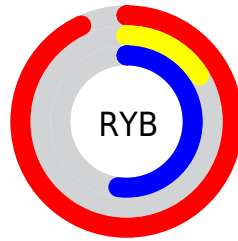
The Yxy color **21.2563, 0.4694, 0.2502** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **63.1122, 0.2657, 0.4607**, and the grayscale version is **15.5430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9146, 0.3930, 0.2540**, and **9.7385, 0.5060, 0.2561** is the 20% darker color. If you saturate the color by 10%, you get **19.7532, 0.4961, 0.2547**, and if you desaturate by 10%, it is **23.7893, 0.4422, 0.2512**.

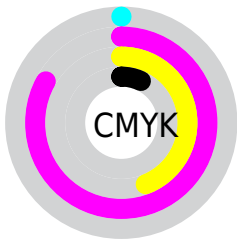
Distribution



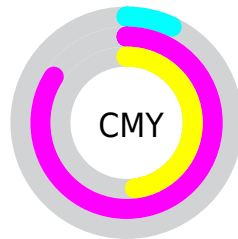
- Red (93%)
- Green (16%)
- Blue (52%)



- Red (93%)
- Yellow (16%)
- Blue (52%)



- Cyan (0%)
- Magenta (83%)
- Yellow (44%)
- Black (7%)




- Cyan (7%)
- Magenta (84%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2563, 0.4694, 0.2502 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 21.2563, 0.4694, 0.2502 by changing the saturation by 10% instead.


 21.2563, 0.4694,
0.2502


 21.2563, 0.4694,
0.2502


258.6375, 0.3824,
0.2937


 13.3115, 0.4940,
0.2380


 45.5137, 0.4357,
0.2670


 7.6434, 0.5272,
0.2216

 62.5951, 0.4237,
0.2730


 3.8676, 0.5740,
0.1985

 83.4907, 0.4137,
0.2780

 1.5998, 0.6437,
0.1645

 108.5851, 0.4054,
0.2821

 0.3575, 0.7863,
0.0923

 138.2626, 0.3984,
0.2857

 0.0000, 1.0000,
0.0000

172.9075, 0.3923,

 0.0000, 0.0000,

0.2887

0.0000

212.9044, 0.3870,
0.2914

■ 21.2563, 0.4694,
0.2502

■ 21.2563, 0.4694,
0.2502

■ 19.7532, 0.4961,
0.2547

■ 23.7893, 0.4422,
0.2512

■ 19.1279, 0.5147,
0.2609

■ 27.5037, 0.4161,
0.2568

■ 32.5294, 0.3923,
0.2659

■ 38.9782, 0.3713,
0.2771

■ 46.9498, 0.3533,
0.2894

■ 56.5346, 0.3382,
0.3020

■ 67.8163, 0.3256,
0.3143

■ 80.8725, 0.3152,
0.3260

■ 95.7761, 0.3066,
0.3370

Harmonies

Analogous

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



21.2563, 0.3268, 0.1901



21.2563, 0.4694, 0.2502



21.2563, 0.5610, 0.3232

Triad

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



21.2563, 0.4694, 0.2502



21.2563, 0.3685, 0.5764



21.2563, 0.1106, 0.1771

Complementary

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



21.2563, 0.4694, 0.2502



63.1122, 0.2657, 0.4607

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.



21.2563, 0.1149, 0.2569



21.2563, 0.4694, 0.2502



21.2563, 0.2540, 0.5597

Square

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



21.2563, 0.4694, 0.2502



21.2563, 0.4774, 0.4965



21.2563, 0.1607, 0.4079



21.2563, 0.1401, 0.1491

Rectangle

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



21.2563, 0.4694, 0.2502



21.2563, 0.5670, 0.3758



21.2563, 0.1607, 0.4079



21.2563, 0.1082, 0.1966

Sweetspot

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



21.2575, 0.4694, 0.2502



63.8423, 0.3416, 0.2989



13.7734, 0.2266, 0.1120



12.7985, 0.3469, 0.2945



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.



21.2575, 0.4694, 0.2502



22.6641, 0.5131, 0.2605



20.2432, 0.5991, 0.3335



15.1704, 0.3220, 0.3181



10.4701, 0.5108, 0.2588



0.8414, 0.4777, 0.2405

Inverse Universe

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



21.2575, 0.4694, 0.2502



22.6641, 0.5131, 0.2605



63.4353, 0.2253, 0.3203



15.1704, 0.3220, 0.3181



10.4701, 0.5108, 0.2588



0.8414, 0.4777, 0.2405

Previews

White Background



This preview shows how the Yxy color 21.2563, 0.4694, 0.2502 looks on a white background.

Color Contrast Check

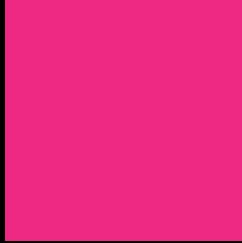
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2563, 0.4694, 0.2502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

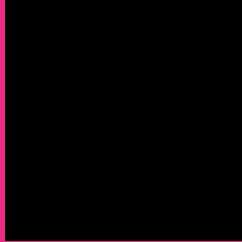
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2563, 0.4694, 0.2502

Background



This preview shows how black text looks on a background with the Yxy color 21.2563, 0.4694, 0.2502.



This preview shows how white text looks on a background with the Yxy color 21.2563, 0.4694, 0.2502.

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

21.2563, 0.4694, 0.2502

Protanopia

21.6141, 0.2449, 0.2370

Deuteranopia

21.3468, 0.3363, 0.3291



Tritanopia

21.2603, 0.5609, 0.3282

Trichromacy



Original Color

21.2563, 0.4694, 0.2502



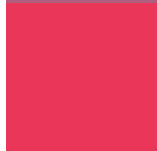
Protanomaly

17.9327, 0.3073, 0.2249



Deuteranomaly

18.6822, 0.3883, 0.2810



Tritanomaly

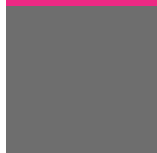
20.9461, 0.5332, 0.3010

Monochromacy



Original Color

21.2563, 0.4694, 0.2502



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.8729, 0.3743, 0.2752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2563, 0.4694, 0.2502 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(237, 41, 132)` looks like.

```
.text, #text, p{  
    color:rgb(237, 41, 132)  
}
```

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(237, 41, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 41, 132) }
```

Border

The CSS property to change the border of an element to Yxy 21.2563, 0.4694, 0.2502 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(237, 41, 132) }
```

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

```
.border{ border-color:rgb(237, 41, 132) }
```

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

Here you see how a box with a 4 pixel rgb(237, 41, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 41, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 41, 132);  
box-shadow:4px 4px 4px 4px rgb(237, 41,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2563, 0.4694, 0.2502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 41, 132) }
```

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

```
.background{ background-color: rgb(237, 41,  
132) }
```

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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