

Converting Colors

$Y_{xy}(21.1698, 0.5017, 0.3242)$

Have a look what the booklet for
Yxy(21.1698, 0.5017, 0.3242)
contains.

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Color

Yxy(21.1698, 0.5017, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	D75257
RGB	215, 82, 87
RGB Percent	84%, 32%, 34%
CMY	0.1569, 0.6784, 0.6590
CMYK	0.00, 0.62, 0.60, 0.16
HSL	358°, 62%, 58%
HSV	358°, 62%, 84%
XYZ	32.7603, 21.1698, 11.3685
YIQ	122.3370, 77.6630, 29.7510

Conversions

Conversions Part 2

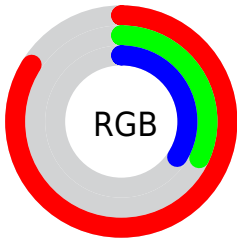
Format	Color
R_{YB}	215, 82, 87
Decimal	14111319
CIE Lab	53.13, 52.57, 25.02
CIE LCh	53, 58.224, 25.451
Yxy	21.1698, 0.5017, 0.3242
Android (android.graphics.Color)	4292301399 (0xFFD75257)
YUV	122.3370, -17.4211, 81.2655
Hunter-Lab	46.0107, 46.5761, 17.5579

Details

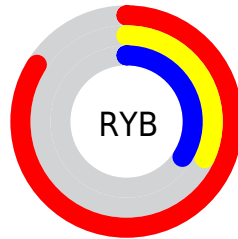
The Yxy color **21.1698, 0.5017, 0.3242** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **55.0496, 0.2403, 0.3356**, and the grayscale version is **19.6180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9575, 0.4399, 0.3294**, and **7.5735, 0.5719, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **18.1291, 0.5488, 0.3245**, and if you desaturate by 10%, it is **25.3253, 0.4563, 0.3245**.

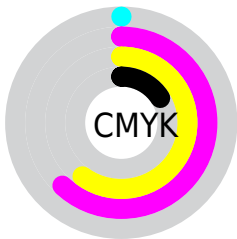
Distribution



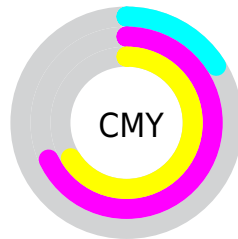
- Red (84%)
- Green (32%)
- Blue (34%)



- Red (84%)
- Yellow (32%)
- Blue (34%)



- Cyan (0%)
- Magenta (62%)
- Yellow (60%)
- Black (16%)





- Cyan (16%)
- Magenta (68%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1698, 0.5017, 0.3242 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 21.1698, 0.5017, 0.3242 by changing the saturation by 10% instead.


 21.1698, 0.5017,
0.3242


 21.1698, 0.5017,
0.3242


258.1795, 0.3949,
0.3329


 13.2482, 0.5320,
0.3189


 45.3700, 0.4601,
0.3294


 7.5997, 0.5724,
0.3096


 62.4173, 0.4453,
0.3307


 3.8399, 0.6279,
0.2927

 83.2753, 0.4331,
0.3316

 1.5844, 0.7307,
0.2693

 108.3284, 0.4229,
0.3321

 0.3470, 0.8437,
0.1563

 137.9610, 0.4143,
0.3325

 0.0000, 1.0000,
0.0000

172.5574, 0.4069,

 0.0000, 0.0000,

0.3327

0.0000

212.5021, 0.4005,
0.3329

■ 21.1698, 0.5017,
0.3242

■ 21.1698, 0.5017,
0.3242

■ 18.1291, 0.5488,
0.3245

■ 25.3253, 0.4563,
0.3245

■ 16.0926, 0.5914,
0.3255

■ 30.6855, 0.4162,
0.3252

■ 14.9334, 0.6224,
0.3272

■ 37.3351, 0.3826,
0.3261

■ 14.4642, 0.6368,
0.3282

■ 45.3502, 0.3552,
0.3270

■ 54.8010, 0.3332,
0.3280

■ 65.7529, 0.3156,
0.3288

■ 78.2672, 0.3015,
0.3297

■ 92.4020, 0.2901,
0.3304

■ 93.1867, 0.2889,
0.3289

Harmonies

Analogous

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



21.1698, 0.4220, 0.2603



21.1698, 0.5017, 0.3242



21.1698, 0.5139, 0.3944

Triad

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



21.1698, 0.5017, 0.3242



21.1698, 0.2846, 0.5069



21.1698, 0.1653, 0.1823

Complementary

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



21.1698, 0.5017, 0.3242



55.0496, 0.2403, 0.3356

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.



21.1698, 0.1431, 0.2141



21.1698, 0.5017, 0.3242



21.1698, 0.2015, 0.4059

Square

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



21.1698, 0.5017, 0.3242



21.1698, 0.3804, 0.5206



21.1698, 0.1535, 0.2891



21.1698, 0.2213, 0.1828

Rectangle

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



21.1698, 0.5017, 0.3242



21.1698, 0.4862, 0.4431



21.1698, 0.1535, 0.2891



21.1698, 0.1543, 0.1888

Sweetspot

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



21.1710, 0.5017, 0.3242



70.2394, 0.3489, 0.3273



24.4034, 0.3121, 0.1840



14.2246, 0.3558, 0.3270



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.



21.1710, 0.5017, 0.3242



25.6769, 0.5618, 0.3247



34.3595, 0.4552, 0.3990



12.4282, 0.3285, 0.3282



8.6550, 0.6358, 0.3276



0.5247, 0.6224, 0.3203

Inverse Universe

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



21.1710, 0.5017, 0.3242



25.6769, 0.5618, 0.3247



30.1950, 0.2176, 0.2390



12.4282, 0.3285, 0.3282



8.6550, 0.6358, 0.3276



0.5247, 0.6224, 0.3203

Previews

White Background



This preview shows how the Yxy color 21.1698, 0.5017, 0.3242 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 21.1698, 0.5017, 0.3242 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 21.1698, 0.5017, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 21.1698, 0.5017, 0.3242.



This preview shows how white text looks on a background with the Yxy color 21.1698, 0.5017, 0.3242.

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

21.1698, 0.5017, 0.3242

Protanopia

21.3086, 0.3441, 0.3652

Deuteranopia

21.3683, 0.4050, 0.3981



Tritanopia

21.1698, 0.5017, 0.3242

Trichromacy



Original Color

21.1698, 0.5017, 0.3242

Protanomaly

20.0755, 0.3989, 0.3469

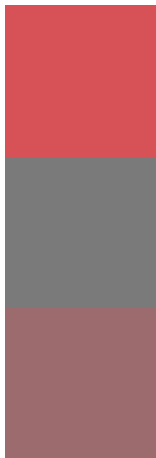
Deuteranomaly

20.3700, 0.4422, 0.3644

Tritanomaly

21.1698, 0.5017, 0.3242

Monochromacy



Original Color

21.1698, 0.5017, 0.3242

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.6874, 0.3789, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1698, 0.5017, 0.3242 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(215, 82, 87)` looks like.

```
.text, #text, p{  
  color:rgb(215, 82, 87)  
}
```

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(215, 82, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 82, 87) }
```

Border

The CSS property to change the border of an element to Yxy 21.1698, 0.5017, 0.3242 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(215, 82, 87) }
```

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

```
.border{ border-color:rgb(215, 82, 87) }
```

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

Here you see how a box with a 4 pixel rgb(215, 82, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 82, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 82, 87);  
box-shadow:4px 4px 4px 4px rgb(215, 82,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1698, 0.5017, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 82, 87) }
```

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

```
.background{ background-color: rgb(215, 82,  
87) }
```

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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