

Converting Colors

$Y_{xy}(21.0564, 0.4955, 0.3153)$

Have a look what the booklet for
Yxy(21.0564, 0.4955, 0.3153)
contains.

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Color

Yxy(21.1266, 0.4952, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	D8505D
RGB	216, 80, 93
RGB Percent	85%, 31%, 36%
CMY	0.1528, 0.6864, 0.6353
CMYK	0.00, 0.63, 0.57, 0.15
HSL	354°, 64%, 58%
HSV	354°, 63%, 85%
XYZ	33.1702, 21.1266, 12.6867
YIQ	122.1460, 76.8830, 32.8750

Conversions

Conversions Part 2

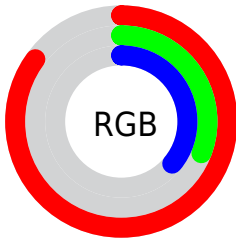
Format	Color
RYB	216, 80, 93
Decimal	14176349
CIELab	53.09, 54.23, 21.43
CIElCh	53, 58.314, 21.563
Yxy	21.1266, 0.4952, 0.3154
Android (android.graphics.Color)	4292366429 (0xFFD8505D)
YUV	122.1460, -14.3690, 82.3100
Hunter-Lab	45.9637, 48.3802, 15.8096

Details

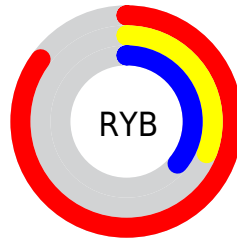
The Yxy color **21.1266, 0.4952, 0.3154** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **55.1434, 0.2432, 0.3470**, and the grayscale version is **19.5394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5711, 0.4342, 0.3211**, and **7.5444, 0.5651, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **18.1547, 0.5406, 0.3158**, and if you desaturate by 10%, it is **25.2057, 0.4519, 0.3164**.

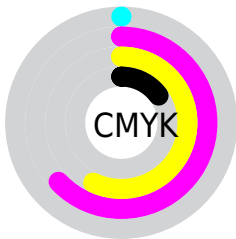
Distribution



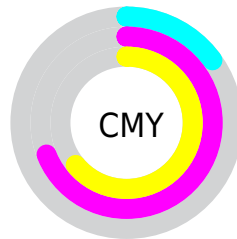
- Red (85%)
- Green (31%)
- Blue (36%)



- Red (85%)
- Yellow (31%)
- Blue (36%)



- Cyan (0%)
- Magenta (63%)
- Yellow (57%)
- Black (15%)



- Cyan (15%)
- Magenta (69%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1266, 0.4952, 0.3154 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 21.1266, 0.4952, 0.3154 by changing the saturation by 10% instead.

 21.1266, 0.4952,
0.3154


 21.1266, 0.4952,
0.3154


257.9505, 0.3919,
0.3282


 13.2166, 0.5248,
0.3094


 45.2981, 0.4548,
0.3219

 7.5779, 0.5646,
0.2996


 62.3284, 0.4405,
0.3238

 3.8260, 0.6200,
0.2824


 83.1676, 0.4287,
0.3251

 1.5767, 0.7268,
0.2601

 108.2001, 0.4189,
0.3261

 0.3418, 0.8498,
0.1502

 137.8102, 0.4106,
0.3268

 0.0000, 1.0000,
0.0000

172.3824, 0.4035,

 0.0000, 0.0000,

0.3274

0.0000

212.3010, 0.3973,
0.3278

■ 21.1266, 0.4952,
0.3154

■ 21.1266, 0.4952,
0.3154

■ 18.1547, 0.5406,
0.3158

■ 25.2057, 0.4519,
0.3164

■ 16.1781, 0.5828,
0.3180

■ 30.4827, 0.4137,
0.3184


■ 15.0677, 0.6153,
0.3220

■ 37.0429, 0.3816,
0.3208


■ 14.6565, 0.6305,
0.3247

■ 44.9631, 0.3553,
0.3234

■ 54.3136, 0.3341,
0.3259

 65.1603, 0.3171,
0.3283

 77.5647, 0.3034,
0.3305

 91.5851, 0.2924,
0.3326

 93.3435, 0.2894,
0.3289

Harmonies

Analogous

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



21.1266, 0.4085, 0.2527



21.1266, 0.4952, 0.3154



21.1266, 0.5166, 0.3851

Triad

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



21.1266, 0.4952, 0.3154



21.1266, 0.2968, 0.5146



21.1266, 0.1603, 0.1841

Complementary

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



21.1266, 0.4952, 0.3154



55.1434, 0.2432, 0.3470

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.



21.1266, 0.1422, 0.2209



21.1266, 0.4952, 0.3154



21.1266, 0.2103, 0.4221

Square

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



21.1266, 0.4952, 0.3154



21.1266, 0.3925, 0.5166



21.1266, 0.1572, 0.3022



21.1266, 0.2118, 0.1809

Rectangle

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



21.1266, 0.4952, 0.3154



21.1266, 0.4937, 0.4337



21.1266, 0.1572, 0.3022



21.1266, 0.1508, 0.1922

Sweetspot

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



21.1278, 0.4952, 0.3154



70.3806, 0.3467, 0.3244



23.3092, 0.3046, 0.1787



14.2579, 0.3532, 0.3236



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.



21.1278, 0.4952, 0.3154



25.1945, 0.5571, 0.3164



32.3427, 0.4649, 0.3920



12.4399, 0.3276, 0.3268



8.6796, 0.6284, 0.3235



0.5303, 0.5972, 0.3063

Inverse Universe

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



21.1278, 0.4952, 0.3154



25.1945, 0.5571, 0.3164



32.3668, 0.2186, 0.2477



12.4399, 0.3276, 0.3268



8.6796, 0.6284, 0.3235



0.5303, 0.5972, 0.3063

Previews

White Background



This preview shows how the Yxy color 21.1266, 0.4952, 0.3154 looks on a white background.

Color Contrast Check

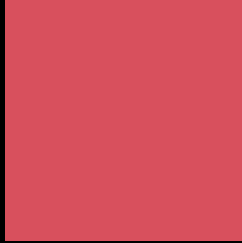
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1266, 0.4952, 0.3154 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 21.1266, 0.4952, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 21.1266, 0.4952, 0.3154.



This preview shows how white text looks on a background with the Yxy color 21.1266, 0.4952, 0.3154.

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

21.1266, 0.4952, 0.3154

Protanopia

21.4031, 0.3335, 0.3507

Deuteranopia

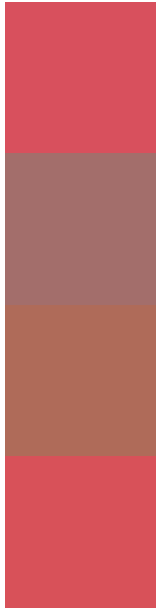
21.2664, 0.3952, 0.3893



Tritanopia

21.1557, 0.5049, 0.3242

Trichromacy



Original Color

21.1266, 0.4952, 0.3154

Protanomaly

19.9999, 0.3897, 0.3340

Deuteranomaly

20.3506, 0.4328, 0.3560

Tritanomaly

21.2051, 0.5004, 0.3209

Monochromacy



Original Color

21.1266, 0.4952, 0.3154

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.7310, 0.3760, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1266, 0.4952, 0.3154 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(216, 80, 93)` looks like.

```
.text, #text, p{  
    color:rgb(216, 80, 93)  
}
```

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(216, 80, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 80, 93) }
```

Border

The CSS property to change the border of an element to Yxy 21.1266, 0.4952, 0.3154 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(216, 80, 93) }
```

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

```
.border{ border-color:rgb(216, 80, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 80, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 80, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 80, 93);  
box-shadow:4px 4px 4px 4px rgb(216, 80,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1266, 0.4952, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 80, 93) }
```

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

```
.background{ background-color: rgb(216, 80,  
93) }
```

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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