

# Converting Colors

$Y_{xy}(19.7881, 0.5728, 0.3275)$

Have a look what the booklet for  
Yxy(19.7881, 0.5728, 0.3275)  
contains.

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**Color**

**Yxy(19.6959, 0.5728, 0.3276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5373A
RGB	229, 55, 58
RGB Percent	90%, 22%, 23%
CMY	0.1020, 0.7841, 0.7726
CMYK	0.00, 0.76, 0.75, 0.10
HSL	359°, 77%, 56%
HSV	359°, 76%, 90%
XYZ	34.4378, 19.6959, 5.9881
YIQ	107.3680, 102.7410, 37.8210

# Conversions

## Conversions Part 2

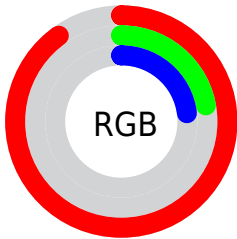
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 55, 58
Decimal	15021882
CIE <sub>Lab</sub>	51.49, 65.54, 40.31
CIE <sub>LCh</sub>	51, 76.943, 31.592
Yxy	19.6959, 0.5728, 0.3276
Android (android.graphics.Color)	4293211962 (0xFFE5373A)
YUV	107.3680, -24.3384, 106.6713
Hunter-Lab	44.3801, 60.8462, 23.0661

# Details

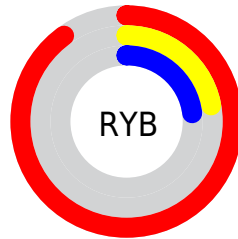
The Yxy color **19.6959, 0.5728, 0.3276** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **62.3334, 0.2312, 0.3326**, and the grayscale version is **14.8644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7914, 0.4882, 0.3391**, and **8.0338, 0.6287, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **17.8200, 0.6105, 0.3283**, and if you desaturate by 10%, it is **22.6826, 0.5265, 0.3272**.

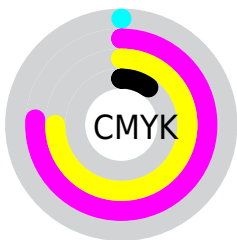
# Distribution



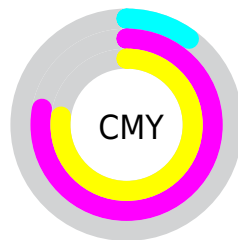
- Red (90%)
- Green (22%)
- Blue (23%)



- Red (90%)
- Yellow (22%)
- Blue (23%)



- Cyan (0%)
- Magenta (76%)
- Yellow (75%)
- Black (10%)




- Cyan (10%)
- Magenta (78%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6959, 0.5728, 0.3276 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 19.6959, 0.5728, 0.3276 by changing the saturation by 10% instead.





 19.6959, 0.5728,  
0.3276

 19.6959, 0.5728,  
0.3276


250.2641, 0.4284,  
0.3418


 12.1742, 0.6102,  
0.3175


 42.9067, 0.5183,  
0.3372

 6.8624, 0.6568,  
0.3004


 59.3647, 0.4983,  
0.3394


 3.3762, 0.7252,  
0.2748

 79.5701, 0.4816,  
0.3407

 1.3312, 0.7807,  
0.2193

 103.9075, 0.4675,  
0.3414

 0.1651, 0.9280,  
0.0720

 132.7612, 0.4555,  
0.3418

 0.0000, 1.0000,  
0.0000

 166.5156, 0.4452,

 0.0000, 0.0000,

0.3419

0.0000

205.5551, 0.4362,  
0.3419

■ 19.6959, 0.5728,  
0.3276

■ 19.6959, 0.5728,  
0.3276

■ 17.8200, 0.6105,  
0.3283

■ 22.6826, 0.5265,  
0.3272

■ 16.8843, 0.6332,  
0.3292


■ 26.9117, 0.4789,  
0.3272

■ 16.6629, 0.6387,  
0.3292


■ 32.5000, 0.4353,  
0.3273

■ 39.5502, 0.3979,  
0.3276

■ 48.1550, 0.3672,  
0.3280

 58.3994, 0.3424,  
0.3284

 70.3623, 0.3226,  
0.3288

 84.1176, 0.3067,  
0.3291

 95.3944, 0.2970,  
0.3290

# Harmonies

## Analogous

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



19.6959, 0.4862, 0.2531



19.6959, 0.5728, 0.3276



19.6959, 0.5568, 0.4105

# Triad

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



19.6959, 0.5728, 0.3276



19.6959, 0.2413, 0.5618



19.6959, 0.1396, 0.1437

# Complementary

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



19.6959, 0.5728, 0.3276



62.3334, 0.2312, 0.3326

# 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.



19.6959, 0.1068, 0.1683



19.6959, 0.5728, 0.3276



19.6959, 0.1496, 0.3955

# Square

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



19.6959, 0.5728, 0.3276



19.6959, 0.3578, 0.5888



19.6959, 0.1078, 0.2439



19.6959, 0.2138, 0.1524



# Rectangle

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



19.6959, 0.5728, 0.3276



19.6959, 0.5048, 0.4739



19.6959, 0.1078, 0.2439



19.6959, 0.1247, 0.1477

# Sweetspot

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



19.6971, 0.5728, 0.3276



64.9448, 0.3596, 0.3281



24.1099, 0.3141, 0.1646



12.9500, 0.3694, 0.3280



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.



19.6971, 0.5728, 0.3276



21.9493, 0.6253, 0.3288



34.6004, 0.4949, 0.4093



14.3719, 0.3290, 0.3286



9.5308, 0.6382, 0.3289



0.7057, 0.6330, 0.3260



# Inverse Universe

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



19.6971, 0.5728, 0.3276



21.9493, 0.6253, 0.3288



27.5906, 0.1992, 0.2091



14.3719, 0.3290, 0.3286



9.5308, 0.6382, 0.3289



0.7057, 0.6330, 0.3260



# Previews

## White Background



This preview shows how the Yxy color 19.6959, 0.5728, 0.3276 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 19.6959, 0.5728, 0.3276 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 19.6959, 0.5728, 0.3276**

## Background



This preview shows how black text looks on a background with the Yxy color 19.6959, 0.5728, 0.3276.



This preview shows how white text looks on a background with the Yxy color 19.6959, 0.5728, 0.3276.

# 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

19.6959, 0.5728, 0.3276

### Protanopia

19.8134, 0.3777, 0.4075

### Deuteranopia

19.7899, 0.4454, 0.4367



## Tritanopia

19.6858, 0.5740, 0.3283

# Trichromacy



## Original Color

19.6959, 0.5728, 0.3276

## Protanomaly

17.6383, 0.4570, 0.3681

## Deuteranomaly

18.0595, 0.5034, 0.3846

## Tritanomaly

19.6858, 0.5740, 0.3283

# Monochromacy



## Original Color

19.6959, 0.5728, 0.3276

## Achromatopsia

14.7027, 0.3127, 0.3290

## Achromatomaly

14.2800, 0.4142, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.6959, 0.5728, 0.3276 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(229, 55, 58)` looks like.

```
.text, #text, p{  
    color:rgb(229, 55, 58)  
}
```

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(229, 55, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 55, 58) }
```

## Border

The CSS property to change the border of an element to Yxy 19.6959, 0.5728, 0.3276 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(229, 55, 58) }
```

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

```
.border{ border-color:rgb(229, 55, 58) }
```

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

Here you see how a box with a 4 pixel rgb(229, 55, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 55, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 55, 58);  
box-shadow:4px 4px 4px 4px rgb(229, 55,  
58) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.6959, 0.5728, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 55, 58) }
```

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

```
.background{ background-color: rgb(229, 55,  
58) }
```

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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