

Converting Colors

$Yxy(17.8765, 0.5496, 0.3187)$

Have a look what the booklet for
Yxy(17.8765, 0.5496, 0.3187)
contains.

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Color

Yxy(17.8569, 0.5490, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	D83845
RGB	216, 56, 69
RGB Percent	85%, 22%, 27%
CMY	0.1529, 0.7804, 0.7294
CMYK	0.00, 0.74, 0.68, 0.15
HSL	355°, 67%, 53%
HSV	355°, 74%, 85%
XYZ	30.8090, 17.8569, 7.4525
YIQ	105.3220, 91.1870, 37.9630

Conversions

Conversions Part 2

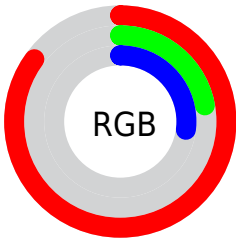
Format	Color
R _Y B	216, 56, 69
Decimal	14170181
CIE Lab	49.32, 61.90, 30.81
CIE LCh	49, 69.150, 26.462
Yxy	17.8569, 0.5490, 0.3182
Android (android.graphics.Color)	4292360261 (0xFFD83845)
YUV	105.3220, -17.9067, 97.0646
Hunter-Lab	42.2574, 56.1903, 19.1238

Details

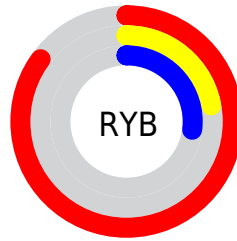
The Yxy color **17.8569, 0.5490, 0.3182** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **54.2688, 0.2366, 0.3473**, and the grayscale version is **14.2494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8058, 0.4760, 0.3275**, and **6.8469, 0.6121, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **15.9901, 0.5903, 0.3204**, and if you desaturate by 10%, it is **20.7108, 0.5032, 0.3176**.

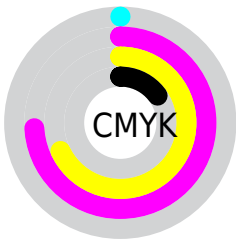
Distribution



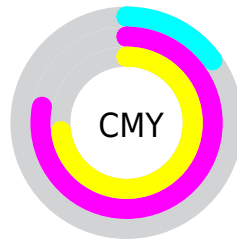
- Red (85%)
- Green (22%)
- Blue (27%)



- Red (85%)
- Yellow (22%)
- Blue (27%)



- Cyan (0%)
- Magenta (74%)
- Yellow (68%)
- Black (15%)



- Cyan (15%)
- Magenta (78%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8569, 0.5490, 0.3182 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 17.8569, 0.5490, 0.3182 by changing the saturation by 10% instead.


 17.8569, 0.5490,
0.3182


 17.8569, 0.5490,
0.3182


240.0632, 0.4139,
0.3340


 10.8473, 0.5868,
0.3089


 39.7933, 0.4964,
0.3275


 5.9642, 0.6361,
0.2930

 55.4890, 0.4776,
0.3298


 2.8234, 0.7135,
0.2698

 74.8487, 0.4621,
0.3313

 1.0402, 0.7853,
0.2147

 98.2570, 0.4493,
0.3324

 0.0000, 1.0000,
0.0000

 126.0982, 0.4384,
0.3331

 0.0000, 0.0000,
0.0000

158.7567, 0.4290,

0.3335

196.6169, 0.4210,
0.3338

■ 17.8569, 0.5490,
0.3182

■ 17.8569, 0.5490,
0.3182

■ 15.9901, 0.5903,
0.3204

■ 20.7108, 0.5032,
0.3176

■ 14.9731, 0.6207,
0.3239


■ 24.6592, 0.4588,
0.3183

■ 14.6424, 0.6324,
0.3257


■ 29.7991, 0.4193,
0.3199

■ 36.2160, 0.3860,
0.3219

■ 43.9875, 0.3586,
0.3240

 53.1849, 0.3366,
0.3262

 63.8747, 0.3189,
0.3282

 76.1191, 0.3047,
0.3301

 89.9768, 0.2932,
0.3318

Harmonies

Analogous

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



17.8569, 0.4528, 0.2468



17.8569, 0.5490, 0.3182



17.8569, 0.5527, 0.3970

Triad

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



17.8569, 0.5490, 0.3182



17.8569, 0.2668, 0.5580



17.8569, 0.1402, 0.1544

Complementary

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



17.8569, 0.5490, 0.3182



54.2688, 0.2366, 0.3473

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.



17.8569, 0.1142, 0.1860



17.8569, 0.5490, 0.3182



17.8569, 0.1719, 0.4204

Square

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



17.8569, 0.5490, 0.3182



17.8569, 0.3791, 0.5647



17.8569, 0.1219, 0.2702



17.8569, 0.2044, 0.1575

Rectangle

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



17.8569, 0.5490, 0.3182



17.8569, 0.5120, 0.4555



17.8569, 0.1219, 0.2702



17.8569, 0.1277, 0.1605

Sweetspot

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



17.8580, 0.5490, 0.3182



66.3945, 0.3541, 0.3244



20.4372, 0.3051, 0.1626



13.4822, 0.3608, 0.3238



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.



17.8580, 0.5490, 0.3182



22.2940, 0.6095, 0.3223



28.9696, 0.4978, 0.3997



12.4370, 0.3278, 0.3271



8.6725, 0.6305, 0.3247



0.5289, 0.6032, 0.3096

Inverse Universe

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



17.8580, 0.5490, 0.3182



22.2940, 0.6095, 0.3223



27.4008, 0.2049, 0.2261



12.4370, 0.3278, 0.3271



8.6725, 0.6305, 0.3247



0.5289, 0.6032, 0.3096

Previews

White Background



This preview shows how the Yxy color 17.8569, 0.5490, 0.3182 looks on a white 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

Black Background



This preview shows how the Yxy color 17.8569, 0.5490, 0.3182 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 17.8569, 0.5490, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 17.8569, 0.5490, 0.3182.



This preview shows how white text looks on a background with the Yxy color 17.8569, 0.5490, 0.3182.

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

17.8569, 0.5490, 0.3182

Protanopia

18.1652, 0.3551, 0.3791

Deuteranopia

17.9343, 0.4253, 0.4171



Tritanopia

17.9513, 0.5600, 0.3280

Trichromacy



Original Color

17.8569, 0.5490, 0.3182

Protanomaly

16.1954, 0.4286, 0.3472

Deuteranomaly

16.6711, 0.4785, 0.3707

Tritanomaly

17.8841, 0.5568, 0.3246

Monochromacy



Original Color

17.8569, 0.5490, 0.3182

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.6088, 0.4006, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8569, 0.5490, 0.3182 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, 56, 69)` looks like.

```
.text, #text, p{  
    color:rgb(216, 56, 69)  
}
```

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, 56, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 56, 69) }
```

Border

The CSS property to change the border of an element to Yxy 17.8569, 0.5490, 0.3182 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, 56, 69) }
```

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

```
.border{ border-color:rgb(216, 56, 69) }
```

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

Here you see how a box with a 4 pixel rgb(216, 56, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 56, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 56, 69);  
box-shadow:4px 4px 4px 4px rgb(216, 56,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8569, 0.5490, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 56, 69) }
```

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

```
.background{ background-color: rgb(216, 56,  
69) }
```

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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