

Converting Colors

$Y_{xy}(18.9764, 0.5356, 0.3230)$

Have a look what the booklet for
Yxy(18.9764, 0.5356, 0.3230)
contains.

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Color

Yxy(18.9764, 0.5356, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	D84249
RGB	216, 66, 73
RGB Percent	85%, 26%, 29%
CMY	0.1530, 0.7411, 0.7137
CMYK	0.00, 0.69, 0.66, 0.15
HSL	357°, 66%, 55%
HSV	357°, 69%, 85%
XYZ	31.4667, 18.9764, 8.3073
YIQ	111.6480, 87.1530, 33.9770

Conversions

Conversions Part 2

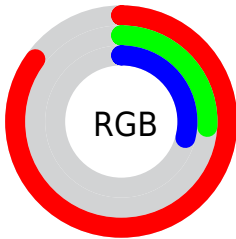
Format	Color
R_{YB}	216, 66, 73
Decimal	14172745
CIE Lab	50.66, 58.57, 30.10
CIE LCh	51, 65.851, 27.204
Yxy	18.9764, 0.5356, 0.3230
Android (android.graphics.Color)	4292362825 (0xFFD84249)
YUV	111.6480, -19.0535, 91.5167
Hunter-Lab	43.5619, 52.7053, 19.1867

Details

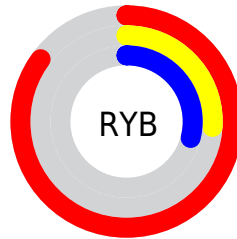
The Yxy color **18.9764, 0.5356, 0.3230** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **54.8680, 0.2364, 0.3385**, and the grayscale version is **16.1358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8311, 0.4651, 0.3305**, and **6.9587, 0.6076, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **16.6819, 0.5800, 0.3240**, and if you desaturate by 10%, it is **22.3159, 0.4887, 0.3229**.

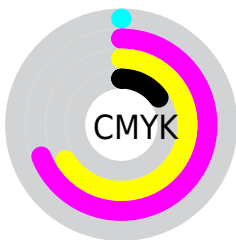
Distribution



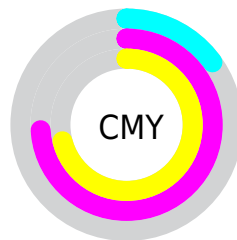
- Red (85%)
- Green (26%)
- Blue (29%)



- Red (85%)
- Yellow (26%)
- Blue (29%)



- Cyan (0%)
- Magenta (69%)
- Yellow (66%)
- Black (15%)



- Cyan (15%)
- Magenta (74%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9764, 0.5356, 0.3230 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 18.9764, 0.5356, 0.3230 by changing the saturation by 10% instead.


 18.9764, 0.5356,
0.3230

 18.9764, 0.5356,
0.3230


246.3184, 0.4088,
0.3352

 11.6532, 0.5711,
0.3153


 41.6942, 0.4863,
0.3305

 6.5080, 0.6176,
0.3018


 57.8577, 0.4687,
0.3323


 3.1564, 0.6856,
0.2801

 77.7366, 0.4542,
0.3335

 1.2139, 0.7658,
0.2342

 101.7155, 0.4421,
0.3342

 0.0730, 0.9585,
0.0415

 130.1788, 0.4318,
0.3347

 0.0000, 1.0000,
0.0000

163.5108, 0.4231,

 0.0000, 0.0000,

0.3349

0.0000

202.0958, 0.4155,
0.3351

■ 18.9764, 0.5356,
0.3230

■ 18.9764, 0.5356,
0.3230

■ 16.6819, 0.5800,
0.3240

■ 22.3159, 0.4887,
0.3229

■ 15.3061, 0.6148,
0.3259

■ 26.8013, 0.4448,
0.3234


■ 14.6482, 0.6352,
0.3278


■ 32.5252, 0.4066,
0.3244

■ 14.6188, 0.6360,
0.3278

■ 39.5698, 0.3748,
0.3256

■ 48.0104, 0.3491,
0.3268

 57.9165, 0.3284,
0.3280

 69.3531, 0.3119,
0.3291

 82.3812, 0.2986,
0.3301

 93.3368, 0.2894,
0.3289

Harmonies

Analogous

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



18.9764, 0.4470, 0.2534



18.9764, 0.5356, 0.3230



18.9764, 0.5397, 0.3997

Triad

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



18.9764, 0.5356, 0.3230



18.9764, 0.2693, 0.5384



18.9764, 0.1494, 0.1626

Complementary

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



18.9764, 0.5356, 0.3230



54.8680, 0.2364, 0.3385

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.



18.9764, 0.1233, 0.1930



18.9764, 0.5356, 0.3230



18.9764, 0.1789, 0.4105

Square

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



18.9764, 0.5356, 0.3230



18.9764, 0.3767, 0.5524



18.9764, 0.1308, 0.2726



18.9764, 0.2126, 0.1659

Rectangle

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



18.9764, 0.5356, 0.3230



18.9764, 0.5021, 0.4553



18.9764, 0.1308, 0.2726



18.9764, 0.1369, 0.1684

Sweetspot

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



18.9775, 0.5356, 0.3230



67.6001, 0.3532, 0.3266



22.3376, 0.3116, 0.1719



13.7130, 0.3601, 0.3262



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.



18.9775, 0.5356, 0.3230



23.2721, 0.5967, 0.3247



31.9053, 0.4780, 0.4039



12.4301, 0.3284, 0.3280



8.6585, 0.6347, 0.3270



0.5256, 0.6183, 0.3180

Inverse Universe

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



18.9775, 0.5356, 0.3230



23.2721, 0.5967, 0.3247



27.4549, 0.2080, 0.2256



12.4301, 0.3284, 0.3280



8.6585, 0.6347, 0.3270



0.5256, 0.6183, 0.3180

Previews

White Background



This preview shows how the Yxy color 18.9764, 0.5356, 0.3230 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 18.9764, 0.5356, 0.3230 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 18.9764, 0.5356, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 18.9764, 0.5356, 0.3230.



This preview shows how white text looks on a background with the Yxy color 18.9764, 0.5356, 0.3230.

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

18.9764, 0.5356, 0.3230

Protanopia

19.1681, 0.3541, 0.3780

Deuteranopia

19.1683, 0.4196, 0.4144



Tritanopia

19.0554, 0.5391, 0.3268

Trichromacy



Original Color

18.9764, 0.5356, 0.3230

Protanomaly

17.5725, 0.4219, 0.3519

Deuteranomaly

18.0370, 0.4675, 0.3724

Tritanomaly

19.0682, 0.5377, 0.3259

Monochromacy



Original Color

18.9764, 0.5356, 0.3230

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.5503, 0.3933, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9764, 0.5356, 0.3230 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, 66, 73)` looks like.

```
.text, #text, p{  
    color:rgb(216, 66, 73)  
}
```

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, 66, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 66, 73) }
```

Border

The CSS property to change the border of an element to Yxy 18.9764, 0.5356, 0.3230 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, 66, 73) }
```

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

```
.border{ border-color:rgb(216, 66, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 66, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 66, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 66, 73);  
box-shadow:4px 4px 4px 4px rgb(216, 66,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9764, 0.5356, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 66, 73) }
```

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

```
.background{ background-color: rgb(216, 66,  
73) }
```

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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