

Converting Colors

$Y_{xy}(18.7222, 0.5377, 0.2909)$

Have a look what the booklet for
Yxy(18.7222, 0.5377, 0.2909)
contains.

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Color

Yxy(18.6496, 0.5376, 0.2907)

Conversions

Conversions Part 1

Format	Color
Hex	E42758
RGB	228, 39, 88
RGB Percent	89%, 15%, 35%
CMY	0.1058, 0.8473, 0.6549
CMYK	0.00, 0.83, 0.61, 0.11
HSL	344°, 78%, 52%
HSV	344°, 83%, 89%
XYZ	34.4892, 18.6496, 11.0153
YIQ	101.0970, 96.9150, 55.3070

Conversions

Conversions Part 2

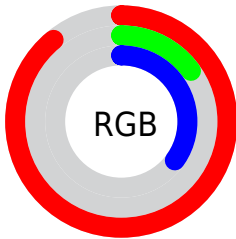
Format	Color
R_{YB}	228, 39, 88
Decimal	14952280
CIE _{Lab}	50.27, 70.96, 21.08
CIE _{LCh}	50, 74.027, 16.541
Yxy	18.6496, 0.5376, 0.2907
Android (android.graphics.Color)	4293142360 (0xFFE42758)
YUV	101.0970, -6.4568, 111.2939
Hunter-Lab	43.1852, 66.9825, 15.1065

Details

The Yxy color **18.6496, 0.5376, 0.2907** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **59.1870, 0.2481, 0.3998**, and the grayscale version is **13.0312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4030, 0.4544, 0.2977**, and **8.1738, 0.5876, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **17.3300, 0.5724, 0.2976**, and if you desaturate by 10%, it is **20.9340, 0.4990, 0.2881**.

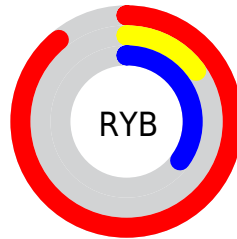
Distribution



Red (89%)

Green (15%)

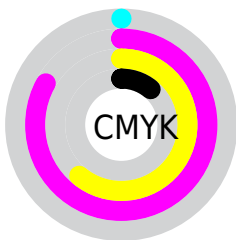
Blue (35%)



Red (89%)

Yellow (15%)

Blue (35%)

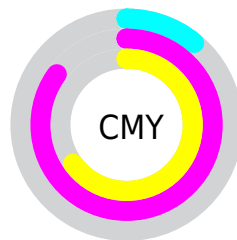


Cyan (0%)

Magenta (83%)

Yellow (61%)

Black (11%)



Cyan (11%)


Magenta (85%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6496, 0.5376, 0.2907 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 18.6496, 0.5376, 0.2907 by changing the saturation by 10% instead.


 18.6496, 0.5376,
0.2907


 18.6496, 0.5376,
0.2907


244.5075, 0.4093,
0.3188


 11.4174, 0.5742,
0.2797


 41.1412, 0.4873,
0.3036


 6.3483, 0.6229,
0.2630


 57.1693, 0.4695,
0.3076

 3.0580, 0.6892,
0.2360

 76.8981, 0.4549,
0.3107

 1.1621, 0.8036,
0.1964

 100.7121, 0.4427,
0.3131

 0.0304, 0.9860,
0.0140

 128.9957, 0.4324,
0.3150

 0.0000, 1.0000,
0.0000

162.1332, 0.4236,

 0.0000, 0.0000,

0.3165

0.0000

200.5089, 0.4159,
0.3178

■ 18.6496, 0.5376,
0.2907

■ 18.6496, 0.5376,
0.2907

■ 17.3300, 0.5724,
0.2976

■ 20.9340, 0.4990,
0.2881

■ 16.8164, 0.5932,
0.3041


■ 24.3244, 0.4607,
0.2895

■ 28.9417, 0.4255,
0.2937


■ 34.8899, 0.3948,
0.2997

■ 42.2623, 0.3690,
0.3065

 51.1432, 0.3477,
0.3137

 61.6108, 0.3304,
0.3206

 73.7376, 0.3163,
0.3272

 87.5915, 0.3049,
0.3333

Harmonies

Analogous

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



18.6496, 0.4123, 0.2210



18.6496, 0.5376, 0.2907



18.6496, 0.5723, 0.3681

Triad

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



18.6496, 0.5376, 0.2907



18.6496, 0.3002, 0.5902



18.6496, 0.1212, 0.1537

Complementary

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



18.6496, 0.5376, 0.2907



59.1870, 0.2481, 0.3998

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.



18.6496, 0.1057, 0.2005



18.6496, 0.5376, 0.2907



18.6496, 0.1927, 0.4844

Square

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



18.6496, 0.5376, 0.2907



18.6496, 0.4162, 0.5511



18.6496, 0.1256, 0.3113



18.6496, 0.1727, 0.1467

Rectangle

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



18.6496, 0.5376, 0.2907



18.6496, 0.5433, 0.4258



18.6496, 0.1256, 0.3113



18.6496, 0.1124, 0.1640

Sweetspot

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



18.6507, 0.5376, 0.2907



63.1745, 0.3521, 0.3121



16.4687, 0.2654, 0.1325



12.6412, 0.3595, 0.3096



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.



18.6507, 0.5376, 0.2907



21.6553, 0.5946, 0.3049



22.8410, 0.5651, 0.3639



14.4291, 0.3252, 0.3229



9.7240, 0.5894, 0.3021



0.7335, 0.5479, 0.2792

Inverse Universe

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



18.6507, 0.5376, 0.2907



21.6553, 0.5946, 0.3049



40.2766, 0.2106, 0.2654



14.4291, 0.3252, 0.3229



9.7240, 0.5894, 0.3021



0.7335, 0.5479, 0.2792

Previews

White Background



This preview shows how the Yxy color 18.6496, 0.5376, 0.2907 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 18.6496, 0.5376, 0.2907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

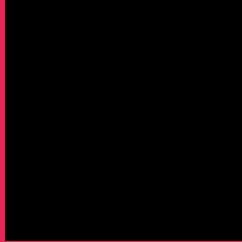
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6496, 0.5376, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 18.6496, 0.5376, 0.2907.



This preview shows how white text looks on a background with the Yxy color 18.6496, 0.5376, 0.2907.

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

18.6496, 0.5376, 0.2907

Protanopia

19.0006, 0.3117, 0.3234

Deuteranopia

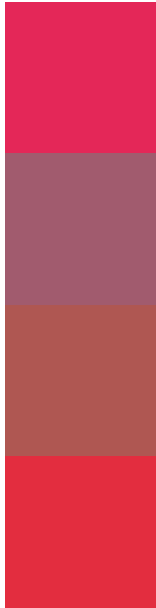
18.8457, 0.3997, 0.3919



Tritanopia

18.7493, 0.5863, 0.3298

Trichromacy



Original Color

18.6496, 0.5376, 0.2907

Protanomaly

16.1850, 0.3922, 0.2986

Deuteranomaly

16.5395, 0.4602, 0.3366

Tritanomaly

18.5665, 0.5719, 0.3168

Monochromacy



Original Color

18.6496, 0.5376, 0.2907

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4964, 0.4021, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6496, 0.5376, 0.2907 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(228, 39, 88)` looks like.

```
.text, #text, p{  
  color:rgb(228, 39, 88)  
}
```

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(228, 39, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 39, 88) }
```

Border

The CSS property to change the border of an element to Yxy 18.6496, 0.5376, 0.2907 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(228, 39, 88) }
```

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

```
.border{ border-color:rgb(228, 39, 88) }
```

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

Here you see how a box with a 4 pixel rgb(228, 39, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 39, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 39, 88);  
box-shadow:4px 4px 4px 4px rgb(228, 39,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6496, 0.5376, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 39, 88) }
```

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

```
.background{ background-color: rgb(228, 39,  
88) }
```

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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