

Converting Colors

$Y_{xy}(17.7884, 0.5523, 0.2900)$

Have a look what the booklet for
Yxy(17.7884, 0.5523, 0.2900)
contains.

Yxy(17.7984, 0.5525, 0.2904)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7984, 0.5525, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	E41952
RGB	228, 25, 82
RGB Percent	89%, 10%, 32%
CMY	0.1059, 0.9017, 0.6785
CMYK	0.00, 0.89, 0.64, 0.11
HSL	343°, 80%, 50%
HSV	343°, 89%, 89%
XYZ	33.8623, 17.7984, 9.6285
YIQ	92.1950, 102.6910, 60.7630

Conversions

Conversions Part 2

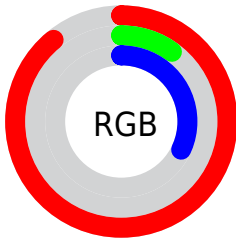
Format	Color
R_{YB}	228, 25, 82
Decimal	14948690
CIE Lab	49.25, 73.20, 23.40
CIE LCh	49, 76.852, 17.725
Yxy	17.7984, 0.5525, 0.2904
Android (android.graphics.Color)	4293138770 (0xFFE41952)
YUV	92.1950, -5.0261, 119.1010
Hunter-Lab	42.1881, 69.4437, 16.0000

Details

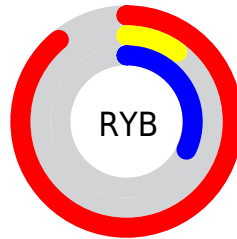
The Yxy color **17.7984, 0.5525, 0.2904** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **58.6320, 0.2497, 0.4125**, and the grayscale version is **10.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8224, 0.4671, 0.2985**, and **8.0325, 0.5965, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **16.9299, 0.5835, 0.2995**, and if you desaturate by 10%, it is **19.4849, 0.5163, 0.2853**.

Distribution



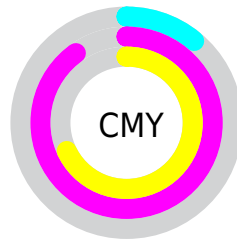
- Red (89%)
- Green (10%)
- Blue (32%)



- Red (89%)
- Yellow (10%)
- Blue (32%)



- Cyan (0%)
- Magenta (89%)
- Yellow (64%)
- Black (11%)





- Cyan (11%)
- Magenta (90%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7984, 0.5525, 0.2904 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 17.7984, 0.5525, 0.2904 by changing the saturation by 10% instead.


 17.7984, 0.5525,
0.2904


 17.7984, 0.5525,
0.2904


239.7323, 0.4152,
0.3200

 10.8053, 0.5914,
0.2784


 39.6935, 0.4988,
0.3043


 5.9361, 0.6429,
0.2600

 55.3643, 0.4797,
0.3085

 2.8063, 0.7131,
0.2306

 74.6966, 0.4640,
0.3117

 1.0314, 0.8164,
0.1836

 98.0746, 0.4510,
0.3141

 0.0000, 1.0000,
0.0000

 125.8827, 0.4399,
0.3161

 0.0000, 0.0000,
0.0000

 158.5055, 0.4305,

0.3176

196.3272, 0.4224,
0.3189

■ 17.7984, 0.5525,
0.2904

■ 17.7984, 0.5525,
0.2904

■ 16.9299, 0.5835,
0.2995

■ 19.4849, 0.5163,
0.2853

■ 16.8616, 0.5863,
0.3004

■ 22.1901, 0.4785,
0.2846

■ 26.0479, 0.4423,
0.2876

■ 31.1709, 0.4099,
0.2932

■ 37.6581, 0.3821,
0.3002

■ 45.5986, 0.3588,
0.3078

■ 55.0739, 0.3398,
0.3154

■ 66.1595, 0.3242,
0.3228

■ 78.9258, 0.3116,
0.3297

Harmonies

Analogous

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



17.7984, 0.4231, 0.2189



17.7984, 0.5525, 0.2904



17.7984, 0.5822, 0.3692

Triad

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



17.7984, 0.5525, 0.2904



17.7984, 0.2917, 0.6044



17.7984, 0.1161, 0.1461

Complementary

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



17.7984, 0.5525, 0.2904



58.6320, 0.2497, 0.4125

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.



17.7984, 0.0988, 0.1911



17.7984, 0.5525, 0.2904



17.7984, 0.1822, 0.4868

Square

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



17.7984, 0.5525, 0.2904



17.7984, 0.4118, 0.5623



17.7984, 0.1164, 0.3027



17.7984, 0.1700, 0.1407

Rectangle

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



17.7984, 0.5525, 0.2904



17.7984, 0.5479, 0.4289



17.7984, 0.1164, 0.3027



17.7984, 0.1067, 0.1558

Sweetspot

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



17.7995, 0.5525, 0.2904



60.8709, 0.3551, 0.3092



14.9008, 0.2574, 0.1236



12.2029, 0.3623, 0.3065



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.



17.7995, 0.5525, 0.2904



21.7215, 0.5878, 0.3012



20.8238, 0.5887, 0.3574



14.4341, 0.3248, 0.3224



9.7550, 0.5825, 0.2982



0.7363, 0.5408, 0.2753

Inverse Universe

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



17.7995, 0.5525, 0.2904



21.7215, 0.5878, 0.3012



40.0995, 0.2088, 0.2654



14.4341, 0.3248, 0.3224



9.7550, 0.5825, 0.2982



0.7363, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 17.7984, 0.5525, 0.2904 looks on a white background.

Color Contrast Check

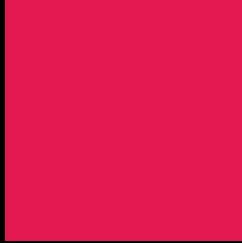
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7984, 0.5525, 0.2904 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 17.7984, 0.5525, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 17.7984, 0.5525, 0.2904.



This preview shows how white text looks on a background with the Yxy color 17.7984, 0.5525, 0.2904.

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

17.7984, 0.5525, 0.2904

Protanopia

18.0237, 0.3154, 0.3271

Deuteranopia

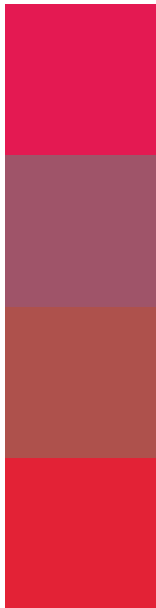
18.1178, 0.4073, 0.4010



Tritanopia

17.9219, 0.6038, 0.3304

Trichromacy



Original Color

17.7984, 0.5525, 0.2904

Protanomaly

14.7315, 0.4011, 0.2952

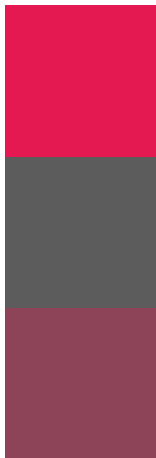
Deuteranomaly

15.4053, 0.4741, 0.3365

Tritanomaly

17.7413, 0.5895, 0.3177

Monochromacy



Original Color

17.7984, 0.5525, 0.2904

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5015, 0.4138, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7984, 0.5525, 0.2904 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, 25, 82)` looks like.

```
.text, #text, p{  
    color:rgb(228, 25, 82)  
}
```

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, 25, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 25, 82) }
```

Border

The CSS property to change the border of an element to Yxy 17.7984, 0.5525, 0.2904 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, 25, 82) }
```

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

```
.border{ border-color:rgb(228, 25, 82) }
```

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

Here you see how a box with a 4 pixel rgb(228, 25, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 25, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 25, 82);  
box-shadow:4px 4px 4px 4px rgb(228, 25,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7984, 0.5525, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 25, 82) }
```

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

```
.background{ background-color: rgb(228, 25,  
82) }
```

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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