

Converting Colors

$Yxy(18.0810, 0.5414, 0.2829)$

Have a look what the booklet for
Yxy(18.0810, 0.5414, 0.2829)
contains.

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Color

Yxy(18.0090, 0.5401, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	E5175A
RGB	229, 23, 90
RGB Percent	90%, 9%, 35%
CMY	0.1019, 0.9098, 0.6469
CMYK	0.00, 0.90, 0.61, 0.10
HSL	340°, 82%, 49%
HSV	340°, 90%, 90%
XYZ	34.4673, 18.0090, 11.3402
YIQ	92.2320, 101.2690, 64.5090

Conversions

Conversions Part 2

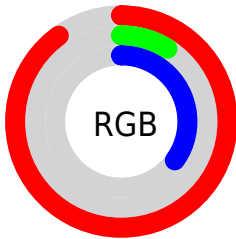
Format	Color
R_{YB}	229, 23, 90
Decimal	15013722
CIE _{Lab}	49.51, 74.20, 18.84
CIE _{LCh}	50, 76.552, 14.251
Yxy	18.0090, 0.5401, 0.2822
Android (android.graphics.Color)	4293203802 (0xFFE5175A)
YUV	92.2320, -1.1004, 119.9455
Hunter-Lab	42.4370, 70.7126, 13.8622

Details

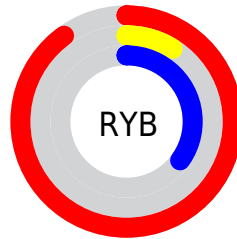
The Yxy color **18.0090, 0.5401, 0.2822** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **58.8304, 0.2539, 0.4282**, and the grayscale version is **10.7442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0771, 0.4550, 0.2894**, and **8.2965, 0.5843, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **17.1631, 0.5704, 0.2916**, and if you desaturate by 10%, it is **19.6345, 0.5059, 0.2770**.

Distribution



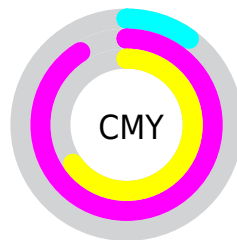
- Red (90%)
- Green (9%)
- Blue (35%)



- Red (90%)
- Yellow (9%)
- Blue (35%)



- Cyan (0%)
- Magenta (90%)
- Yellow (61%)
- Black (10%)




- Cyan (10%)
- Magenta (91%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0090, 0.5401, 0.2822 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 18.0090, 0.5401, 0.2822 by changing the saturation by 10% instead.


 18.0090, 0.5401,
0.2822


 18.0090, 0.5401,
0.2822


240.9218, 0.4099,
0.3147

 10.9564, 0.5775,
0.2702


 40.0527, 0.4889,
0.2967


 6.0376, 0.6274,
0.2521

 55.8126, 0.4708,
0.3013

 2.8679, 0.6957,
0.2236

 75.2437, 0.4560,
0.3049

 1.0632, 0.8170,
0.1830

 98.7305, 0.4437,
0.3077

 0.0000, 1.0000,
0.0000

 126.6573, 0.4332,
0.3100

 0.0000, 0.0000,
0.0000

 159.4085, 0.4243,

0.3118

197.3685, 0.4166,
0.3134

■ 18.0090, 0.5401,
0.2822

■ 18.0090, 0.5401,
0.2822

■ 17.1631, 0.5704,
0.2916

■ 19.6345, 0.5059,
0.2770

■ 17.1602, 0.5705,
0.2916

■ 22.2687, 0.4704,
0.2766

■ 26.0490, 0.4366,
0.2802

■ 31.0899, 0.4062,
0.2867

■ 37.4921, 0.3799,
0.2947

■ 45.3460, 0.3579,
0.3035

■ 54.7341, 0.3397,
0.3124

■ 65.7328, 0.3248,
0.3210

■ 78.4133, 0.3127,
0.3290

Harmonies

Analogous

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



18.0090, 0.4043, 0.2122



18.0090, 0.5401, 0.2822



18.0090, 0.5827, 0.3600

Triad

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



18.0090, 0.5401, 0.2822



18.0090, 0.3061, 0.6043



18.0090, 0.1133, 0.1500

Complementary

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



18.0090, 0.5401, 0.2822



58.8304, 0.2539, 0.4282

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.



18.0090, 0.0999, 0.2009



18.0090, 0.5401, 0.2822



18.0090, 0.1942, 0.5062

Square

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



18.0090, 0.5401, 0.2822



18.0090, 0.4255, 0.5507



18.0090, 0.1224, 0.3215



18.0090, 0.1623, 0.1407

Rectangle

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



18.0090, 0.5401, 0.2822



18.0090, 0.5550, 0.4181



18.0090, 0.1224, 0.3215



18.0090, 0.1052, 0.1613

Sweetspot

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



18.0101, 0.5401, 0.2822



61.0225, 0.3525, 0.3060



13.7781, 0.2458, 0.1167



12.2381, 0.3592, 0.3029



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.



18.0101, 0.5401, 0.2822



21.8843, 0.5719, 0.2924



19.6796, 0.6014, 0.3486



14.4449, 0.3241, 0.3214



9.8306, 0.5664, 0.2894



0.7430, 0.5251, 0.2667

Inverse Universe

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



18.0101, 0.5401, 0.2822



21.8843, 0.5719, 0.2924



44.7217, 0.2126, 0.2802



14.4449, 0.3241, 0.3214



9.8306, 0.5664, 0.2894



0.7430, 0.5251, 0.2667

Previews

White Background



This preview shows how the Yxy color 18.0090, 0.5401, 0.2822 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 18.0090, 0.5401, 0.2822 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 18.0090, 0.5401, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 18.0090, 0.5401, 0.2822.



This preview shows how white text looks on a background with the Yxy color 18.0090, 0.5401, 0.2822.

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

18.0090, 0.5401, 0.2822

Protanopia

18.4201, 0.2990, 0.3064

Deuteranopia

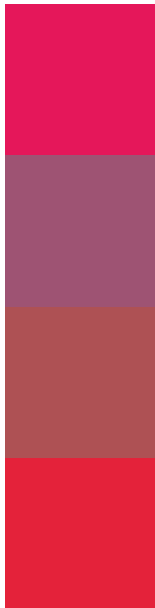
18.3646, 0.3950, 0.3896



Tritanopia

18.0700, 0.6008, 0.3304

Trichromacy



Original Color

18.0090, 0.5401, 0.2822

Protanomaly

14.6934, 0.3830, 0.2774

Deuteranomaly

15.5236, 0.4607, 0.3251

Tritanomaly

17.9435, 0.5849, 0.3149

Monochromacy



Original Color

18.0090, 0.5401, 0.2822

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5204, 0.4100, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0090, 0.5401, 0.2822 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, 23, 90)` looks like.

```
.text, #text, p{  
    color:rgb(229, 23, 90)  
}
```

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, 23, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 23, 90) }
```

Border

The CSS property to change the border of an element to Yxy 18.0090, 0.5401, 0.2822 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, 23, 90) }
```

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

```
.border{ border-color:rgb(229, 23, 90) }
```

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

Here you see how a box with a 4 pixel rgb(229, 23, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 23, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 23, 90);  
box-shadow:4px 4px 4px 4px rgb(229, 23,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0090, 0.5401, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 23, 90) }
```

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

```
.background{ background-color: rgb(229, 23,  
90) }
```

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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