

Converting Colors

$Yxy(23.1815, 0.4933, 0.3017)$

Have a look what the booklet for
Yxy(23.1815, 0.4933, 0.3017)
contains.

Yxy(23.1507, 0.4925, 0.3013)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.1507, 0.4925, 0.3013)

Conversions

Conversions Part 1

Format	Color
Hex	E64D69
RGB	230, 77, 105
RGB Percent	90%, 30%, 41%
CMY	0.0980, 0.6981, 0.5882
CMYK	0.00, 0.67, 0.54, 0.10
HSL	349°, 75%, 60%
HSV	349°, 67%, 90%
XYZ	37.8418, 23.1507, 15.8436
YIQ	125.9390, 82.2000, 41.1440

Conversions

Conversions Part 2

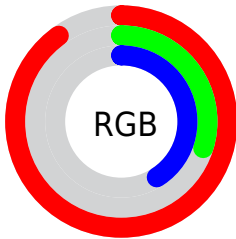
Format	Color
R_{YB}	230, 77, 105
Decimal	15093097
CIE Lab	55.23, 60.82, 17.61
CIE LCh	55, 63.315, 16.149
Yxy	23.1507, 0.4925, 0.3013
Android (android.graphics.Color)	4293283177 (0xFFE64D69)
YUV	125.9390, -10.3229, 91.2615
Hunter-Lab	48.1152, 56.1856, 14.1573

Details

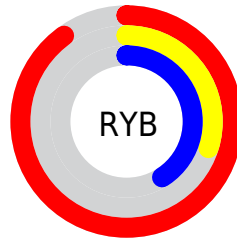
The Yxy color **23.1507, 0.4925, 0.3013** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **62.4439, 0.2469, 0.3670**, and the grayscale version is **20.8563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7105, 0.4198, 0.3064**, and **8.6303, 0.5578, 0.2846** is the 20% darker color. If you saturate the color by 10%, you get **20.1384, 0.5349, 0.3022**, and if you desaturate by 10%, it is **27.3883, 0.4518, 0.3031**.

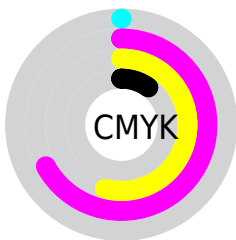
Distribution



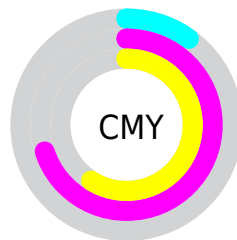
- Red (90%)
- Green (30%)
- Blue (41%)



- Red (90%)
- Yellow (30%)
- Blue (41%)



- Cyan (0%)
- Magenta (67%)
- Yellow (54%)
- Black (10%)





- Cyan (10%)
- Magenta (70%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1507, 0.4925, 0.3013 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 23.1507, 0.4925, 0.3013 by changing the saturation by 10% instead.


 23.1507, 0.4925,
0.3013


 23.1507, 0.4925,
0.3013


268.4981, 0.3922,
0.3208


 14.7048, 0.5207,
0.2941


 48.6407, 0.4536,
0.3100


 8.6125, 0.5585,
0.2832


 66.4535, 0.4397,
0.3128


 4.4893, 0.6110,
0.2658

 88.1575, 0.4283,
0.3149

 1.9509, 0.6895,
0.2371

 114.1370, 0.4187,
0.3166

 0.5787, 0.8228,
0.1772

 144.7764, 0.4105,
0.3180

 0.0000, 1.0000,
0.0000

180.4602, 0.4036,

 0.0000, 0.0000,

0.3191

0.0000

221.5726, 0.3975,
0.3200

■ 23.1507, 0.4925,
0.3013

■ 23.1507, 0.4925,
0.3013

■ 20.1384, 0.5349,
0.3022

■ 27.3883, 0.4518,
0.3031

■ 18.2155, 0.5744,
0.3063

■ 32.9602, 0.4155,
0.3068


■ 17.2179, 0.6057,
0.3135

■ 39.9678, 0.3847,
0.3114

■ 16.9940, 0.6145,
0.3159

■ 48.5016, 0.3593,
0.3164

■ 58.6446, 0.3386,
0.3213

 70.4738, 0.3218,
0.3261

 84.0614, 0.3084,
0.3305

 95.5658, 0.2976,
0.3290

Harmonies

Analogous

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



23.1507, 0.3925, 0.2388



23.1507, 0.4925, 0.3013



23.1507, 0.5277, 0.3719

Triad

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



23.1507, 0.4925, 0.3013



23.1507, 0.3126, 0.5332



23.1507, 0.1486, 0.1820

Complementary

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



23.1507, 0.4925, 0.3013



62.4439, 0.2469, 0.3670

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.



23.1507, 0.1357, 0.2268



23.1507, 0.4925, 0.3013



23.1507, 0.2191, 0.4505

Square

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



23.1507, 0.4925, 0.3013



23.1507, 0.4112, 0.5165



23.1507, 0.1572, 0.3207



23.1507, 0.1950, 0.1735

Rectangle

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



23.1507, 0.4925, 0.3013



23.1507, 0.5101, 0.4221



23.1507, 0.1572, 0.3207



23.1507, 0.1407, 0.1922

Sweetspot

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



23.1520, 0.4925, 0.3013



69.2672, 0.3455, 0.3196



23.5712, 0.2905, 0.1659



14.0508, 0.3513, 0.3182



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.



23.1520, 0.4925, 0.3013



24.3384, 0.5510, 0.3034



32.1419, 0.4893, 0.3801



14.4109, 0.3264, 0.3247



9.6324, 0.6113, 0.3141



0.7243, 0.5725, 0.2927

Inverse Universe

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



23.1520, 0.4925, 0.3013



24.3384, 0.5510, 0.3034



40.5663, 0.2186, 0.2609



14.4109, 0.3264, 0.3247



9.6324, 0.6113, 0.3141



0.7243, 0.5725, 0.2927

Previews

White Background



This preview shows how the Yxy color 23.1507, 0.4925, 0.3013 looks on a white background.

Color Contrast Check

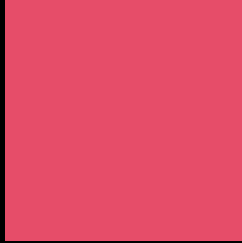
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1507, 0.4925, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

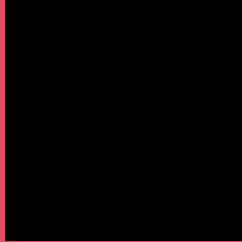
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1507, 0.4925, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 23.1507, 0.4925, 0.3013.



This preview shows how white text looks on a background with the Yxy color 23.1507, 0.4925, 0.3013.

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

23.1507, 0.4925, 0.3013

Protanopia

23.3194, 0.3162, 0.3290

Deuteranopia

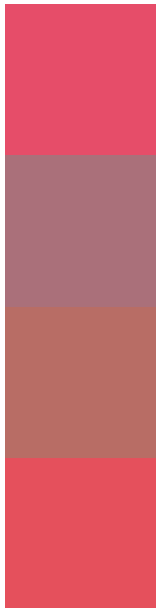
23.2287, 0.3840, 0.3764



Tritanopia

23.1987, 0.5180, 0.3257

Trichromacy



Original Color

23.1507, 0.4925, 0.3013

Protanomaly

21.5395, 0.3772, 0.3139

Deuteranomaly

22.0672, 0.4259, 0.3407

Tritanomaly

23.1680, 0.5089, 0.3177

Monochromacy



Original Color

23.1507, 0.4925, 0.3013

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.9256, 0.3765, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1507, 0.4925, 0.3013 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(230, 77, 105)` looks like.

```
.text, #text, p{  
    color:rgb(230, 77, 105)  
}
```

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(230, 77, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 77, 105) }
```

Border

The CSS property to change the border of an element to Yxy 23.1507, 0.4925, 0.3013 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(230, 77, 105) }
```

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

```
.border{ border-color:rgb(230, 77, 105) }
```

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

Here you see how a box with a 4 pixel rgb(230, 77, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 77, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 77, 105);  
box-shadow:4px 4px 4px 4px rgb(230, 77,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1507, 0.4925, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 77, 105) }
```

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

```
.background{ background-color: rgb(230, 77,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor