

Converting Colors

$Y_{xy}(23.1688, 0.4549, 0.3176)$

Have a look what the booklet for
Yxy(23.1688, 0.4549, 0.3176)
contains.

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Color

Yxy(23.1662, 0.4550, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	D1616B
RGB	209, 97, 107
RGB Percent	82%, 38%, 42%
CMY	0.1804, 0.6195, 0.5805
CMYK	0.00, 0.54, 0.49, 0.18
HSL	355°, 55%, 60%
HSV	355°, 54%, 82%
XYZ	33.2197, 23.1662, 16.6245
YIQ	131.6280, 63.5420, 26.8540

Conversions

Conversions Part 2

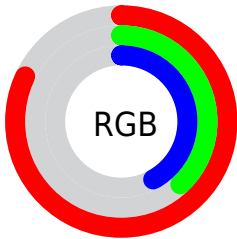
Format	Color
R_{YB}	209, 97, 107
Decimal	13721963
CIE _{Lab}	55.24, 45.12, 15.94
CIE _{LCh}	55, 47.850, 19.455
Yxy	23.1662, 0.4550, 0.3173
Android (android.graphics.Color)	4291912043 (0xFFD1616B)
YUV	131.6280, -12.1416, 67.8552
Hunter-Lab	48.1313, 38.9692, 13.2132

Details

The Yxy color **23.1662, 0.4550, 0.3173** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **52.2625, 0.2496, 0.3428**, and the grayscale version is **22.9622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8618, 0.4105, 0.3219**, and **8.6116, 0.5089, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **19.4425, 0.4987, 0.3164**, and if you desaturate by 10%, it is **27.9977, 0.4163, 0.3191**.

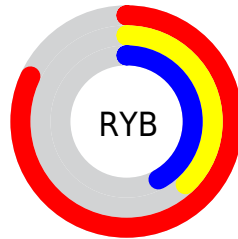
Distribution



Red (82%)

Green (38%)

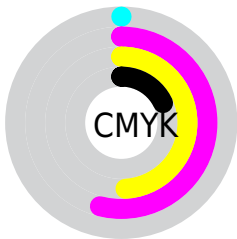
Blue (42%)



Red (82%)

Yellow (38%)

Blue (42%)

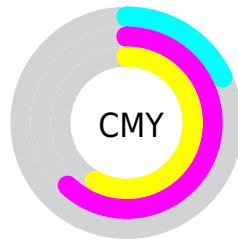


Cyan (0%)

Magenta (54%)

Yellow (49%)

Black (18%)



Cyan (18%)

Magenta (62%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1662, 0.4550, 0.3173 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 23.1662, 0.4550, 0.3173 by changing the saturation by 10% instead.


 23.1662, 0.4550,
0.3173


 23.1662, 0.4550,
0.3173

268.5775, 0.3751,
0.3268


 14.7163, 0.4780,
0.3133


 48.6661, 0.4238,
0.3219


 8.6205, 0.5093,
0.3068


 66.4848, 0.4127,
0.3232

 4.4945, 0.5539,
0.2957

 88.1953, 0.4036,
0.3242

 1.9538, 0.6227,
0.2754

 114.1819, 0.3960,
0.3250

 0.5804, 0.7699,
0.2301

144.8290, 0.3896,
0.3256

 0.0000, 1.0000,
0.0000


180.5211, 0.3841,


 0.0000, 0.0000,


0.3261

0.0000

221.6424, 0.3793,
0.3265

 23.1662, 0.4550,
0.3173

 23.1662, 0.4550,
0.3173

 19.4425, 0.4987,
0.3164


 27.9977, 0.4163,
0.3191


 16.7354, 0.5443,
0.3169


 34.0117, 0.3836,
0.3213


 14.9452, 0.5861,
0.3191

 41.2802, 0.3569,
0.3237

 13.9504, 0.6176,
0.3229

 49.8690, 0.3354,
0.3260

 13.5993, 0.6312,
0.3251

 59.8388, 0.3180,
0.3282

71.2468, 0.3041,
0.3303

84.1470, 0.2929,
0.3322

92.2936, 0.2855,
0.3289

Harmonies

Analogous

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



23.1662, 0.3840, 0.2634



23.1662, 0.4550, 0.3173



23.1662, 0.4792, 0.3774

Triad

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



23.1662, 0.4550, 0.3173



23.1662, 0.3094, 0.4751



23.1662, 0.1834, 0.2105

Complementary

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



23.1662, 0.4550, 0.3173



52.2625, 0.2496, 0.3428

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.



23.1662, 0.1699, 0.2463



23.1662, 0.4550, 0.3173



23.1662, 0.2356, 0.4083

Square

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



23.1662, 0.4550, 0.3173



23.1662, 0.3884, 0.4794



23.1662, 0.1867, 0.3164



23.1662, 0.2263, 0.2045

Rectangle

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



23.1662, 0.4550, 0.3173



23.1662, 0.4657, 0.4177



23.1662, 0.1867, 0.3164



23.1662, 0.1757, 0.2188

Sweetspot

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



23.1674, 0.4550, 0.3173



74.5075, 0.3405, 0.3254



25.1330, 0.3066, 0.1975



15.3346, 0.3449, 0.3249



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.



23.1674, 0.4550, 0.3173



29.9269, 0.5040, 0.3164



33.7054, 0.4348, 0.3847



11.8251, 0.3277, 0.3270



8.3922, 0.6292, 0.3240



0.4753, 0.5981, 0.3069

Inverse Universe

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



23.1674, 0.4550, 0.3173



29.9269, 0.5040, 0.3164



33.7679, 0.2310, 0.2622



11.8251, 0.3277, 0.3270



8.3922, 0.6292, 0.3240



0.4753, 0.5981, 0.3069

Previews

White Background



This preview shows how the Yxy color 23.1662, 0.4550, 0.3173 looks on a white background.

Color Contrast Check

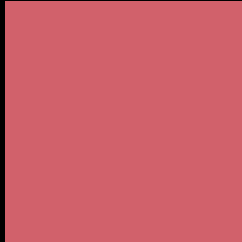
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1662, 0.4550, 0.3173 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 23.1662, 0.4550, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 23.1662, 0.4550, 0.3173.



This preview shows how white text looks on a background with the Yxy color 23.1662, 0.4550, 0.3173.

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

23.1662, 0.4550, 0.3173

Protanopia

23.3016, 0.3261, 0.3412

Deuteranopia

23.2060, 0.3779, 0.3701



Tritanopia

23.1042, 0.4594, 0.3210

Trichromacy



Original Color

23.1662, 0.4550, 0.3173

Protanomaly

22.2882, 0.3706, 0.3308

Deuteranomaly

22.6042, 0.4059, 0.3473

Tritanomaly

23.1246, 0.4579, 0.3197

Monochromacy



Original Color

23.1662, 0.4550, 0.3173

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.0973, 0.3603, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1662, 0.4550, 0.3173 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(209, 97, 107)` looks like.

```
.text, #text, p{  
    color:rgb(209, 97, 107)  
}
```

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(209, 97, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 97, 107) }
```

Border

The CSS property to change the border of an element to Yxy 23.1662, 0.4550, 0.3173 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(209, 97, 107) }
```

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

```
.border{ border-color:rgb(209, 97, 107) }
```

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

Here you see how a box with a 4 pixel rgb(209, 97, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 97, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 97, 107);  
box-shadow:4px 4px 4px 4px rgb(209, 97,  
107) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.1662, 0.4550, 0.3173$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 97, 107) }
```

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

```
.background{ background-color: rgb(209, 97,  
107) }
```

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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