

Converting Colors

$Y_{xy}(13.9569, 0.5207, 0.3100)$

Have a look what the booklet for
Yxy(13.9569, 0.5207, 0.3100)
contains.

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Color

Yxy(14.0191, 0.5211, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	BD3748
RGB	189, 55, 72
RGB Percent	74%, 22%, 28%
CMY	0.2589, 0.7842, 0.7177
CMYK	0.00, 0.71, 0.62, 0.26
HSL	352°, 55%, 48%
HSV	352°, 71%, 74%
XYZ	23.5201, 14.0191, 7.5963
YIQ	97.0040, 74.4070, 33.6950

Conversions

Conversions Part 2

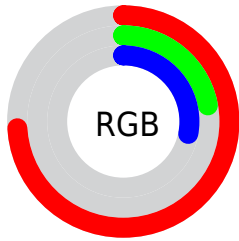
Format	Color
RYB	189, 55, 72
Decimal	12400456
CIELab	44.26, 54.17, 21.56
CIElCh	44, 58.301, 21.707
Yxy	14.0191, 0.5211, 0.3106
Android (android.graphics.Color)	4290590536 (0xFFBD3748)
YUV	97.0040, -12.3270, 80.6805
Hunter-Lab	37.4421, 46.6053, 14.1806

Details

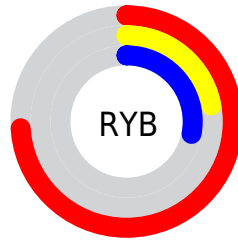
The Yxy color **14.0191, 0.5211, 0.3106** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **40.1827, 0.2414, 0.3563**, and the grayscale version is **11.9746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2342, 0.4711, 0.3205**, and **4.7558, 0.5937, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **12.3673, 0.5640, 0.3125**, and if you desaturate by 10%, it is **16.4176, 0.4774, 0.3109**.

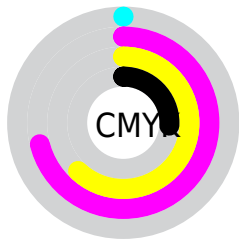
Distribution



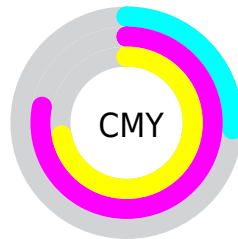
- Red (74%)
- Green (22%)
- Blue (28%)



- Red (74%)
- Yellow (22%)
- Blue (28%)



- Cyan (0%)
- Magenta (71%)
- Yellow (62%)
- Black (26%)





- Cyan (26%)
- Magenta (78%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0191, 0.5211, 0.3106 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 14.0191, 0.5211, 0.3106 by changing the saturation by 10% instead.


 14.0191, 0.5211,
0.3106


 14.0191, 0.5211,
0.3106


217.3496, 0.3967,
0.3280

 8.1340, 0.5595,
0.3014

 33.1229, 0.4705,
0.3199


 4.1808, 0.6128,
0.2854

 47.1104, 0.4531,
0.3224

 1.7752, 0.7066,
0.2622

 64.5674, 0.4391,
0.3242

 0.4716, 0.8204,
0.1796

 85.8783, 0.4276,
0.3255

 0.0000, 1.0000,
0.0000

 111.4277, 0.4180,
0.3264

 0.0000, 0.0000,
0.0000

141.5997, 0.4098,

0.3271

176.7789, 0.4028,
0.3276

■ 14.0191, 0.5211,
0.3106

■ 14.0191, 0.5211,
0.3106

■ 12.3673, 0.5640,
0.3125

■ 16.4176, 0.4774,
0.3109

■ 11.3718, 0.6003,
0.3167

■ 19.6349, 0.4370,
0.3128

■ 10.8831, 0.6242,
0.3212

■ 23.7373, 0.4019,
0.3156

■ 28.7834, 0.3727,
0.3189

■ 34.8272, 0.3488,
0.3223

■ 41.9183, 0.3295,
0.3256

■ 50.1030, 0.3139,
0.3287

■ 59.4250, 0.3014,
0.3316

■ 69.9255, 0.2912,
0.3342

Harmonies

Analogous

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



14.0191, 0.4221, 0.2433



14.0191, 0.5211, 0.3106



14.0191, 0.5412, 0.3853

Triad

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



14.0191, 0.5211, 0.3106



14.0191, 0.2898, 0.5454



14.0191, 0.1445, 0.1679

Complementary

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



14.0191, 0.5211, 0.3106



40.1827, 0.2414, 0.3563

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.



14.0191, 0.1248, 0.2057



14.0191, 0.5211, 0.3106



14.0191, 0.1951, 0.4362

Square

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



14.0191, 0.5211, 0.3106



14.0191, 0.3957, 0.5399



14.0191, 0.1391, 0.2951



14.0191, 0.1999, 0.1655

Rectangle

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



14.0191, 0.5211, 0.3106



14.0191, 0.5120, 0.4392



14.0191, 0.1391, 0.2951



14.0191, 0.1343, 0.1759

Sweetspot

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



14.0199, 0.5211, 0.3106



61.8557, 0.3498, 0.3222



15.0805, 0.2973, 0.1638



12.6251, 0.3559, 0.3212



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.0199, 0.5211, 0.3106



21.0421, 0.5851, 0.3146



21.0233, 0.4939, 0.3898



9.5555, 0.3269, 0.3261



7.3299, 0.6220, 0.3200



0.2936, 0.5711, 0.2920

Inverse Universe

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



14.0199, 0.5211, 0.3106



21.0421, 0.5851, 0.3146



23.2044, 0.2121, 0.2446



9.5555, 0.3269, 0.3261



7.3299, 0.6220, 0.3200



0.2936, 0.5711, 0.2920

Previews

White Background



This preview shows how the Yxy color 14.0191, 0.5211, 0.3106 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 14.0191, 0.5211, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

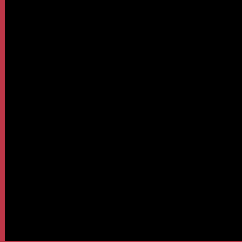
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0191, 0.5211, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 14.0191, 0.5211, 0.3106.

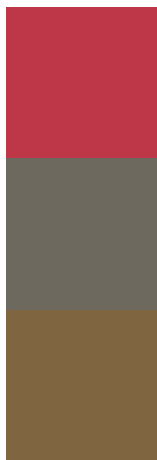


This preview shows how white text looks on a background with the Yxy color 14.0191, 0.5211, 0.3106.

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

14.0191, 0.5211, 0.3106

Protanopia

14.2263, 0.3346, 0.3525

Deuteranopia

14.2782, 0.4055, 0.3991



Tritanopia

13.9439, 0.5389, 0.3264

Trichromacy



Original Color

14.0191, 0.5211, 0.3106

Protanomaly

12.9772, 0.4015, 0.3311

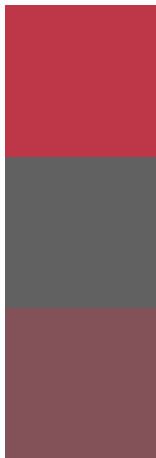
Deuteranomaly

13.2420, 0.4517, 0.3562

Tritanomaly

13.8899, 0.5332, 0.3209

Monochromacy



Original Color

14.0191, 0.5211, 0.3106

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.4850, 0.3865, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0191, 0.5211, 0.3106 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(189, 55, 72)` looks like.

```
.text, #text, p{  
    color:rgb(189, 55, 72)  
}
```

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(189, 55, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 55, 72) }
```

Border

The CSS property to change the border of an element to Yxy 14.0191, 0.5211, 0.3106 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(189, 55, 72) }
```

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

```
.border{ border-color:rgb(189, 55, 72) }
```

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

Here you see how a box with a 4 pixel rgb(189, 55, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 55, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 55, 72);  
box-shadow:4px 4px 4px 4px rgb(189, 55,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0191, 0.5211, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 55, 72) }
```

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

```
.background{ background-color: rgb(189, 55,  
72) }
```

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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