

Converting Colors

$Y_{xy}(12.3317, 0.6263, 0.3542)$

Have a look what the booklet for
Yxy(12.3317, 0.6263, 0.3542)
contains.

Yxy(12.3982, 0.6170, 0.3483)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.3982, 0.6170, 0.3483)

Conversions

Conversions Part 1

Format	Color
Hex	BE2700
RGB	190, 39, 0
RGB Percent	75%, 15%, 0%
CMY	0.2549, 0.8471, 1.0000
CMYK	0.00, 0.79, 1.00, 0.25
HSL	12°, 100%, 37%
HSV	12°, 100%, 75%
XYZ	21.9629, 12.3982, 1.2352
YIQ	79.7030, 102.5150, 19.8830

Conversions

Conversions Part 2

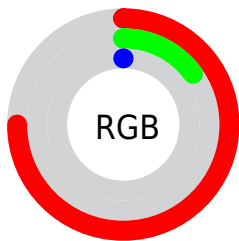
Format	Color
R_{YB}	190, 49, 0
Decimal	12461824
CIE _{Lab}	41.84, 57.50, 54.79
CIE _{LCh}	42, 79.426, 43.615
Yxy	12.3982, 0.6170, 0.3483
Android (android.graphics.Color)	4290651904 (0xFFBE2700)
YUV	79.7030, -39.2936, 96.7305
Hunter-Lab	35.2111, 49.7201, 22.5679

Details

The Yxy color **12.3982, 0.6170, 0.3483** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **25.8584, 0.2060, 0.2616**, and the grayscale version is **8.0235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2524, 0.5554, 0.3633**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.3990, 0.6170, 0.3483**, and if you desaturate by 10%, it is **13.6425, 0.5910, 0.3555**.

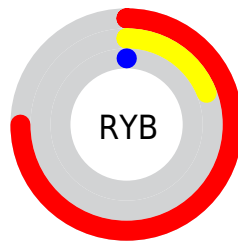
Distribution



Red (75%)

Green (15%)

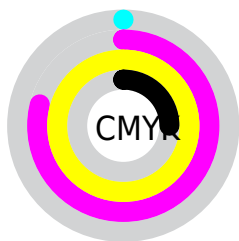
Blue (0%)



Red (75%)

Yellow (19%)

Blue (0%)

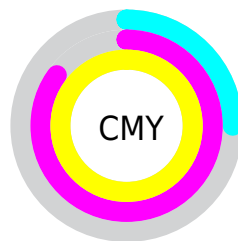


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (85%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3982, 0.6170, 0.3483 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 12.3982, 0.6170, 0.3483 by changing the saturation by 10% instead.


 12.3982, 0.6170,
0.3483

 12.3982, 0.6170,
0.3483


 207.0239, 0.4465,
0.3625

 7.0155, 0.6651,
0.3346


 30.2183, 0.5549,
0.3632


 3.4718, 0.7016,
0.2984

 43.4245, 0.5310,
0.3655


 1.3827, 0.7547,
0.2453

 60.0072, 0.5109,
0.3663

 0.2039, 0.9005,
0.0995

 80.3510, 0.4939,
0.3662


 0.0000, 1.0000,
0.0000


 104.8402, 0.4794,
0.3656

 0.0000, 0.0000,
0.0000


 133.8591, 0.4668,


0.3647

 167.7922, 0.4560,
0.3636


 12.3982, 0.6170,
0.3483


 12.3982, 0.6170,
0.3483


 12.3990, 0.6170,
0.3483

 13.6425, 0.5910,
0.3555

 15.3687, 0.5564,
0.3604

 17.6308, 0.5163,
0.3617

 20.4699, 0.4755,
0.3599

 23.9228, 0.4372,
0.3560

■ 28.0235, 0.4033,
0.3509

■ 32.8030, 0.3742,
0.3453

■ 38.2907, 0.3498,
0.3396

■ 44.5139, 0.3295,
0.3341

Harmonies

Analogous

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



12.3982, 0.5741, 0.2689



12.3982, 0.6170, 0.3483



12.3982, 0.5517, 0.4483

Triad

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



12.3982, 0.6170, 0.3483



12.3982, 0.1743, 0.5477



12.3982, 0.1429, 0.1211

Complementary

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



12.3982, 0.6170, 0.3483



25.8584, 0.2060, 0.2616

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.



12.3982, 0.0931, 0.1300



12.3982, 0.6170, 0.3483



12.3982, 0.0997, 0.3189

Square

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



12.3982, 0.6170, 0.3483



12.3982, 0.2943, 0.6518



12.3982, 0.0789, 0.1824



12.3982, 0.2467, 0.1430

Rectangle

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



12.3982, 0.6170, 0.3483



12.3982, 0.4721, 0.5279



12.3982, 0.0789, 0.1824



12.3982, 0.1215, 0.1204

Sweetspot

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



12.3990, 0.6170, 0.3483



58.9860, 0.3755, 0.3455



13.2159, 0.3792, 0.1862



12.1127, 0.3874, 0.3480



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.3990, 0.6170, 0.3483



22.1842, 0.6193, 0.3465



27.7259, 0.4845, 0.4535



9.8450, 0.3283, 0.3338



8.3362, 0.6149, 0.3499



0.4214, 0.5693, 0.3862

Inverse Universe

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



25.8584, 0.2060, 0.2616



46.4856, 0.2057, 0.2604



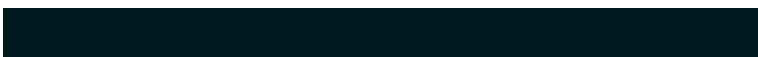
6.6448, 0.1610, 0.0994



10.4680, 0.2985, 0.3242



17.3065, 0.2063, 0.2625



0.7634, 0.2112, 0.2802

Previews

White Background



This preview shows how the Yxy color 12.3982, 0.6170, 0.3483 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



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 12.3982, 0.6170, 0.3483

Background



This preview shows how black text looks on a background with the Yxy color 12.3982, 0.6170, 0.3483.



This preview shows how white text looks on a background with the Yxy color 12.3982, 0.6170, 0.3483.

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

12.3982, 0.6170, 0.3483

Protanopia

12.6209, 0.4274, 0.4734

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.3977, 0.5923, 0.3306

Trichromacy



Original Color

12.3982, 0.6170, 0.3483

Protanomaly

11.0587, 0.5132, 0.4165

Deuteranomaly

11.4217, 0.5373, 0.4116

Tritanomaly

12.3952, 0.6047, 0.3394

Monochromacy



Original Color

12.3982, 0.6170, 0.3483

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.0127, 0.4572, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3982, 0.6170, 0.3483 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(190, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 39, 0)  
}
```

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(190, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 39, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3982, 0.6170, 0.3483 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(190, 39, 0) }
```

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

```
.border{ border-color:rgb(190, 39, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 39, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 39, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3982, 0.6170, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 39, 0) }
```

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

```
.background{ background-color: rgb(190, 39,  
0) }
```

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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