

Converting Colors

$Y_{xy}(12.4152, 0.6174, 0.3461)$

Have a look what the booklet for
Yxy(12.4152, 0.6174, 0.3461)
contains.

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Color

Yxy(12.4061, 0.6177, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	BF2503
RGB	191, 37, 3
RGB Percent	75%, 15%, 1%
CMY	0.2509, 0.8550, 0.9881
CMYK	0.00, 0.81, 0.98, 0.25
HSL	11°, 97%, 38%
HSV	11°, 98%, 75%
XYZ	22.1673, 12.4061, 1.3135
YIQ	79.1700, 102.6980, 22.0740

Conversions

Conversions Part 2

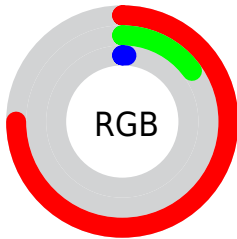
Format	Color
R_{YB}	191, 45, 3
Decimal	12526851
CIE _{Lab}	41.85, 58.40, 53.88
CIE _{LCh}	42, 79.458, 42.695
Yxy	12.4061, 0.6177, 0.3457
Android (android.graphics.Color)	4290716931 (0xFFBF2503)
YUV	79.1700, -37.5518, 98.0749
Hunter-Lab	35.2223, 50.7009, 22.4446

Details

The Yxy color **12.4061, 0.6177, 0.3457** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **27.9225, 0.2089, 0.2711**, and the grayscale version is **7.9109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0852, 0.5548, 0.3613**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.2507, 0.6214, 0.3448**, and if you desaturate by 10%, it is **13.6496, 0.5910, 0.3524**.

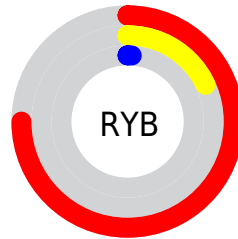
Distribution



Red (75%)

Green (15%)

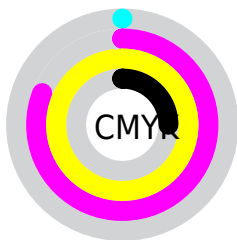
Blue (1%)



Red (75%)

Yellow (18%)

Blue (1%)

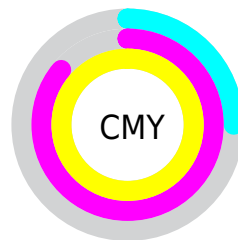


Cyan (0%)

Magenta (81%)

Yellow (98%)

Black (25%)



Cyan (25%)


Magenta (86%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4061, 0.6177, 0.3457 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 12.4061, 0.6177, 0.3457 by changing the saturation by 10% instead.


 12.4061, 0.6177,
0.3457


 12.4061, 0.6177,
0.3457


 207.0755, 0.4463,
0.3609


 7.0209, 0.6652,
0.3313


 30.2326, 0.5549,
0.3608


 3.4752, 0.7041,
0.2959

 43.4427, 0.5309,
0.3633


 1.3845, 0.7574,
0.2426

 60.0298, 0.5108,
0.3642

 0.2053, 0.9018,
0.0982

 80.3785, 0.4937,
0.3642

 0.0000, 1.0000,
0.0000


 104.8729, 0.4791,
0.3637


 0.0000, 0.0000,
0.0000


 133.8977, 0.4666,


0.3629


 167.8371, 0.4558,
0.3620

 12.4061, 0.6177,
0.3457


 12.4061, 0.6177,
0.3457

 12.2507, 0.6214,
0.3448

 13.6496, 0.5910,
0.3524

 15.4088, 0.5548,
0.3565

 17.7390, 0.5135,
0.3575

 20.6851, 0.4718,
0.3557

 24.2873, 0.4332,
0.3521

■ 28.5824, 0.3993,
0.3475

■ 33.6044, 0.3706,
0.3426

■ 39.3851, 0.3465,
0.3376

■ 45.9543, 0.3267,
0.3328

Harmonies

Analogous

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



12.4061, 0.5706, 0.2665



12.4061, 0.6177, 0.3457



12.4061, 0.5550, 0.4450

Triad

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



12.4061, 0.6177, 0.3457



12.4061, 0.1775, 0.5543



12.4061, 0.1407, 0.1208

Complementary

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



12.4061, 0.6177, 0.3457



27.9225, 0.2089, 0.2711

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.



12.4061, 0.0922, 0.1308



12.4061, 0.6177, 0.3457



12.4061, 0.1011, 0.3249

Square

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



12.4061, 0.6177, 0.3457



12.4061, 0.2982, 0.6513



12.4061, 0.0790, 0.1850



12.4061, 0.2425, 0.1419

Rectangle

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



12.4061, 0.6177, 0.3457



12.4061, 0.4760, 0.5240



12.4061, 0.0790, 0.1850



12.4061, 0.1198, 0.1205

Sweetspot

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



12.4069, 0.6177, 0.3457



58.2073, 0.3761, 0.3436



13.6716, 0.3673, 0.1804



11.9290, 0.3882, 0.3457



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.



12.4069, 0.6177, 0.3457



21.6886, 0.6235, 0.3431



26.6169, 0.4914, 0.4468



9.8075, 0.3284, 0.3332



8.1358, 0.6194, 0.3464



0.4051, 0.5762, 0.3807

Inverse Universe

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



27.9225, 0.2089, 0.2711



49.3039, 0.2081, 0.2691



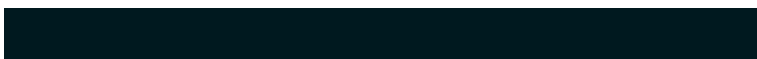
7.6431, 0.1644, 0.1105



10.5086, 0.2985, 0.3248



18.3195, 0.2086, 0.2710



0.7953, 0.2129, 0.2863

Previews

White Background



This preview shows how the Yxy color 12.4061, 0.6177, 0.3457 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 12.4061, 0.6177, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

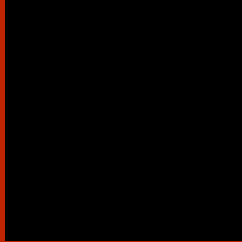
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4061, 0.6177, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 12.4061, 0.6177, 0.3457.



This preview shows how white text looks on a background with the Yxy color 12.4061, 0.6177, 0.3457.

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

12.4061, 0.6177, 0.3457

Protanopia

12.6209, 0.4274, 0.4734

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.3939, 0.5967, 0.3305

Trichromacy



Original Color

12.4061, 0.6177, 0.3457

Protanomaly

11.0079, 0.5156, 0.4133

Deuteranomaly

11.3838, 0.5398, 0.4088

Tritanomaly

12.4000, 0.6068, 0.3379

Monochromacy



Original Color

12.4061, 0.6177, 0.3457

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.8989, 0.4585, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4061, 0.6177, 0.3457 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(191, 37, 3)` looks like.

```
.text, #text, p{  
    color:rgb(191, 37, 3)  
}
```

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(191, 37, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 37, 3) }
```

Border

The CSS property to change the border of an element to Yxy 12.4061, 0.6177, 0.3457 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(191, 37, 3) }
```

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

```
.border{ border-color:rgb(191, 37, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 37, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 37, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 37, 3);  
box-shadow:4px 4px 4px 4px rgb(191, 37, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4061, 0.6177, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 37, 3) }
```

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

```
.background{ background-color: rgb(191, 37,  
3) }
```

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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