

Converting Colors

$Y_{xy}(10.5692, 0.6324, 0.3361)$

Have a look what the booklet for
Yxy(10.5692, 0.6324, 0.3361)
contains.

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Color

Yxy(10.6230, 0.6323, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	B81200
RGB	184, 18, 0
RGB Percent	72%, 7%, 0%
CMY	0.2784, 0.9294, 0.9998
CMYK	0.00, 0.90, 1.00, 0.28
HSL	6°, 100%, 36%
HSV	6°, 100%, 72%
XYZ	19.9849, 10.6230, 0.9988
YIQ	65.5820, 104.7140, 29.5940

Conversions

Conversions Part 2

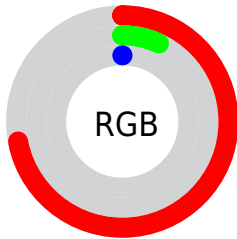
Format	Color
RYB	184, 20, 0
Decimal	12063232
CIELab	38.94, 60.52, 52.85
CIElCh	39, 80.349, 41.133
Yxy	10.6230, 0.6323, 0.3361
Android (android.graphics.Color)	4290253312 (0xFFB81200)
YUV	65.5820, -32.3319, 103.8526
Hunter-Lab	32.5929, 52.4125, 20.9982

Details

The Yxy color **10.6230, 0.6323, 0.3361** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **30.7584, 0.2162, 0.2981**, and the grayscale version is **5.4196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0343, 0.5649, 0.3552**, and **4.0649, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.6218, 0.6323, 0.3361**, and if you desaturate by 10%, it is **11.4150, 0.6092, 0.3397**.

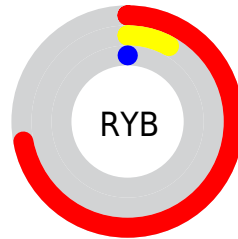
Distribution



Red (72%)

Green (7%)

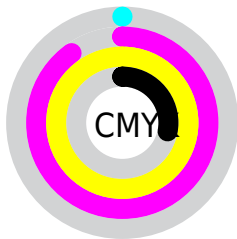
Blue (0%)



Red (72%)

Yellow (8%)

Blue (0%)

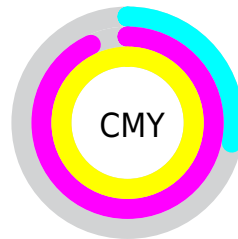


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (93%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6230, 0.6323, 0.3361 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 10.6230, 0.6323, 0.3361 by changing the saturation by 10% instead.


 10.6230, 0.6323,
0.3361


 10.6230, 0.6323,
0.3361


 195.0625, 0.4499,
0.3587


 5.8139, 0.6824,
0.3176

 26.9609, 0.5651,
0.3551


 2.7323, 0.7236,
0.2764

 39.2585, 0.5394,
0.3587


 0.9936, 0.7840,
0.2160

 54.8211, 0.5179,
0.3603

 0.0000, 1.0000,
0.0000


 74.0331, 0.4998,
0.3608


 0.0000, 0.0000,
0.0000


 97.2788, 0.4844,
0.3607


 124.9427, 0.4712,


0.3602

 157.4091, 0.4598,
0.3595


 10.6230, 0.6323,
0.3361


 10.6230, 0.6323,
0.3361


 10.6218, 0.6323,
0.3361

 11.4150, 0.6092,
0.3397

 12.7097, 0.5744,
0.3428

 14.5813, 0.5314,
0.3441

 17.0871, 0.4866,
0.3436

 20.2775, 0.4445,
0.3419

■ 24.1976, 0.4075,
0.3395

■ 28.8889, 0.3764,
0.3368

■ 34.3896, 0.3507,
0.3341

■ 40.7353, 0.3297,
0.3315

Harmonies

Analogous

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



10.6230, 0.5790, 0.2572



10.6230, 0.6323, 0.3361



10.6230, 0.5650, 0.4350

Triad

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



10.6230, 0.6323, 0.3361



10.6230, 0.1736, 0.5836



10.6230, 0.1299, 0.1130

Complementary

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



10.6230, 0.6323, 0.3361



30.7584, 0.2162, 0.2981

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.



10.6230, 0.0833, 0.1242



10.6230, 0.6323, 0.3361



10.6230, 0.0941, 0.3335

Square

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



10.6230, 0.6323, 0.3361



10.6230, 0.2992, 0.6716



10.6230, 0.0712, 0.1815



10.6230, 0.2309, 0.1328

Rectangle

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



10.6230, 0.6323, 0.3361



10.6230, 0.4823, 0.5177



10.6230, 0.0712, 0.1815



10.6230, 0.1097, 0.1131

Sweetspot

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



10.6237, 0.6323, 0.3361



51.8752, 0.3779, 0.3370



13.0448, 0.3430, 0.1663



10.3857, 0.3904, 0.3381



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



10.6237, 0.6323, 0.3361



19.1006, 0.6338, 0.3349



20.7820, 0.5164, 0.4282



9.1493, 0.3285, 0.3313



7.3695, 0.6311, 0.3371



0.3070, 0.6004, 0.3614

Inverse Universe

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



30.7584, 0.2162, 0.2981



55.5520, 0.2160, 0.2976



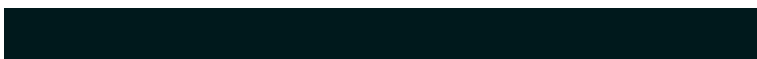
8.7276, 0.1698, 0.1313



10.0569, 0.2985, 0.3267



21.2529, 0.2163, 0.2985



0.7929, 0.2186, 0.3070

Previews

White Background



This preview shows how the Yxy color 10.6230, 0.6323, 0.3361 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 10.6230, 0.6323, 0.3361 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 10.6230, 0.6323, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 10.6230, 0.6323, 0.3361.



This preview shows how white text looks on a background with the Yxy color 10.6230, 0.6323, 0.3361.

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

10.6230, 0.6323, 0.3361

Protanopia

11.0705, 0.4253, 0.4716

Deuteranopia

10.9963, 0.4683, 0.4663



Tritanopia

10.6427, 0.6274, 0.3333

Trichromacy



Original Color

10.6230, 0.6323, 0.3361

Protanomaly

8.9993, 0.5291, 0.4012

Deuteranomaly

9.3058, 0.5538, 0.3985

Tritanomaly

10.6361, 0.6290, 0.3342

Monochromacy



Original Color

10.6230, 0.6323, 0.3361

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.6150, 0.4799, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6230, 0.6323, 0.3361 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(184, 18, 0)` looks like.

```
.text, #text, p{  
  color:rgb(184, 18, 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(184, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 18, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.6230, 0.6323, 0.3361 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(184, 18, 0) }
```

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

```
.border{ border-color:rgb(184, 18, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 18, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 18, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6230, 0.6323, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 18, 0) }
```

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

```
.background{ background-color: rgb(184, 18,  
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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