

Converting Colors

$Y_{xy}(10.1401, 0.6284, 0.3392)$

Have a look what the booklet for
Yxy(10.1401, 0.6284, 0.3392)
contains.

Yxy(10.1965, 0.6285, 0.3391)	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>	29

Color

Yxy(10.1965, 0.6285, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	B31700
RGB	179, 23, 0
RGB Percent	70%, 9%, 0%
CMY	0.2980, 0.9098, 0.9997
CMYK	0.00, 0.87, 1.00, 0.30
HSL	8°, 100%, 35%
HSV	8°, 100%, 70%
XYZ	18.8986, 10.1965, 0.9742
YIQ	67.0220, 100.3590, 25.9190

Conversions

Conversions Part 2

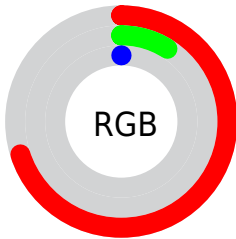
Format	Color
R_{YB}	179, 26, 0
Decimal	11736832
CIE Lab	38.19, 58.24, 51.92
CIE LCh	38, 78.022, 41.712
Yxy	10.1965, 0.6285, 0.3391
Android (android.graphics.Color)	4289926912 (0xFFB31700)
YUV	67.0220, -33.0418, 98.2047
Hunter-Lab	31.9320, 49.7622, 20.5434

Details

The Yxy color **10.1965, 0.6285, 0.3391** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **27.0645, 0.2134, 0.2881**, and the grayscale version is **5.6586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1101, 0.5605, 0.3572**, and **3.7130, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.1943, 0.6286, 0.3391**, and if you desaturate by 10%, it is **11.0530, 0.6039, 0.3438**.

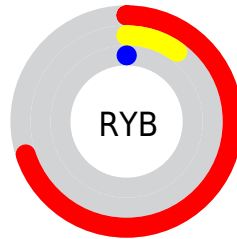
Distribution



Red (70%)

Green (9%)

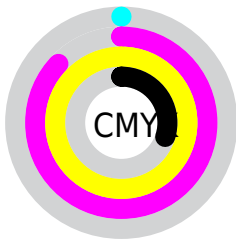
Blue (0%)



Red (70%)

Yellow (10%)

Blue (0%)

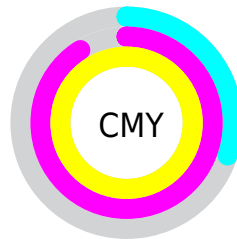


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1965, 0.6285, 0.3391 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 10.1965, 0.6285, 0.3391 by changing the saturation by 10% instead.


 10.1965, 0.6285,
0.3391


 10.1965, 0.6285,
0.3391

 192.0688, 0.4469,
0.3594


 5.5294, 0.6791,
0.3209

 26.1644, 0.5611,
0.3573


 2.5611, 0.7208,
0.2792

 38.2341, 0.5355,
0.3605


 0.9072, 0.7825,
0.2175

 53.5401, 0.5141,
0.3618

 0.0000, 1.0000,
0.0000


 72.4668, 0.4962,
0.3621


 0.0000, 0.0000,
0.0000


 95.3987, 0.4810,
0.3618


 122.7200, 0.4679,


0.3611


 154.8153, 0.4567,
0.3603


 10.1965, 0.6285,
0.3391

 10.1965, 0.6285,
0.3391


 10.1943, 0.6286,
0.3391

 11.0530, 0.6039,
0.3438

 12.3688, 0.5687,
0.3476

 14.2061, 0.5264,
0.3489

 16.6122, 0.4827,
0.3482

 19.6293, 0.4419,
0.3459

■ 23.2953, 0.4059,
0.3427

■ 27.6453, 0.3755,
0.3392

■ 32.7116, 0.3503,
0.3356

■ 38.5246, 0.3296,
0.3322

Harmonies

Analogous

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



10.1965, 0.5777, 0.2601



10.1965, 0.6285, 0.3391



10.1965, 0.5617, 0.4383

Triad

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



10.1965, 0.6285, 0.3391



10.1965, 0.1739, 0.5746



10.1965, 0.1331, 0.1150

Complementary

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



10.1965, 0.6285, 0.3391



27.0645, 0.2134, 0.2881

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.



10.1965, 0.0857, 0.1257



10.1965, 0.6285, 0.3391



10.1965, 0.0956, 0.3299

Square

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



10.1965, 0.6285, 0.3391



10.1965, 0.2982, 0.6670



10.1965, 0.0731, 0.1818



10.1965, 0.2347, 0.1353

Rectangle

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



10.1965, 0.6285, 0.3391



10.1965, 0.4798, 0.5202



10.1965, 0.0731, 0.1818



10.1965, 0.1125, 0.1149

Sweetspot

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



10.1971, 0.6285, 0.3391



49.0462, 0.3770, 0.3394



12.0595, 0.3526, 0.1716



10.1195, 0.3892, 0.3409



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



10.1971, 0.6285, 0.3391



18.0783, 0.6304, 0.3377



20.8270, 0.5067, 0.4358



8.6749, 0.3284, 0.3320



7.2583, 0.6272, 0.3402



0.2840, 0.5875, 0.3717

Inverse Universe

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



27.0645, 0.2134, 0.2881



48.2279, 0.2132, 0.2874



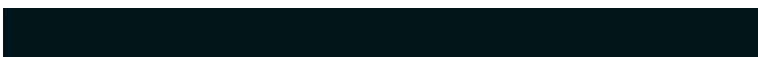
7.4709, 0.1672, 0.1219



9.4422, 0.2986, 0.3260



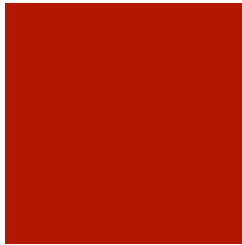
19.1870, 0.2135, 0.2886



0.6552, 0.2169, 0.3009

Previews

White Background



This preview shows how the Yxy color 10.1965, 0.6285, 0.3391 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

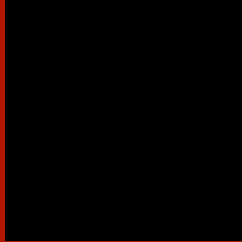
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1965, 0.6285, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 10.1965, 0.6285, 0.3391.



This preview shows how white text looks on a background with the Yxy color 10.1965, 0.6285, 0.3391.

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

10.1965, 0.6285, 0.3391

Protanopia

10.5958, 0.4259, 0.4717

Tritanopia

10.2012, 0.6179, 0.3320

Trichromacy



Original Color

10.1965, 0.6285, 0.3391

Protanomaly

8.8713, 0.5241, 0.4062

Tritanomaly

10.1817, 0.6229, 0.3349

Monochromacy



Original Color

10.1965, 0.6285, 0.3391

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.7302, 0.4726, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1965, 0.6285, 0.3391 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(179, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 23, 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(179, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 23, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.1965, 0.6285, 0.3391 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(179, 23, 0) }
```

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

```
.border{ border-color:rgb(179, 23, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 23, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 23, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 23, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 23, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 10.1965, 0.6285, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 23, 0) }
```

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

```
.background{ background-color: rgb(179, 23,  
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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