

Converting Colors

$Yxy(10.4991, 0.6081, 0.3363)$

Have a look what the booklet for
Yxy(10.4991, 0.6081, 0.3363)
contains.

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Color

Yxy(10.4991, 0.6081, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	B21F15
RGB	178, 31, 21
RGB Percent	70%, 12%, 8%
CMY	0.3020, 0.8783, 0.9176
CMYK	0.00, 0.83, 0.88, 0.30
HSL	4°, 79%, 39%
HSV	4°, 88%, 70%
XYZ	18.9845, 10.4991, 1.7358
YIQ	73.8130, 90.8220, 28.0540

Conversions

Conversions Part 2

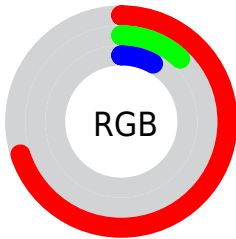
Format	Color
R_{YB}	178, 32, 21
Decimal	11673365
CIE Lab	38.72, 56.40, 44.02
CIE LCh	39, 71.540, 37.971
Yxy	10.4991, 0.6081, 0.3363
Android (android.graphics.Color)	4289863445 (0xFFB21F15)
YUV	73.8130, -26.0368, 91.3720
Hunter-Lab	32.4023, 47.8793, 19.5054

Details

The Yxy color **10.4991, 0.6081, 0.3363** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **31.3702, 0.2219, 0.3115**, and the grayscale version is **6.8505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5882, 0.5406, 0.3503**, and **3.7130, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.7952, 0.6319, 0.3339**, and if you desaturate by 10%, it is **11.6981, 0.5716, 0.3383**.

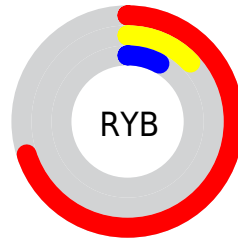
Distribution



Red (70%)

Green (12%)

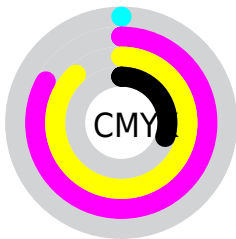
Blue (8%)



Red (70%)

Yellow (13%)

Blue (8%)

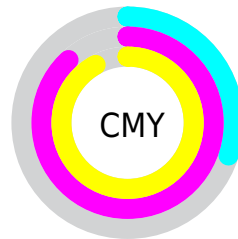


Cyan (0%)

Magenta (83%)

Yellow (88%)

Black (30%)



Cyan (30%)


Magenta (88%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4991, 0.6081, 0.3363 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 10.4991, 0.6081, 0.3363 by changing the saturation by 10% instead.


 10.4991, 0.6081,
0.3363


 10.4991, 0.6081,
0.3363


194.1981, 0.4338,
0.3520


 5.7311, 0.6579,
0.3205

 26.7301, 0.5406,
0.3505


 2.6823, 0.7127,
0.2873

 38.9619, 0.5160,
0.3529


 0.9682, 0.7727,
0.2273

 54.4505, 0.4959,
0.3539

 0.0000, 1.0000,
0.0000


 73.5802, 0.4791,
0.3541

 0.0000, 0.0000,
0.0000

 96.7354, 0.4650,
0.3539


 124.3005, 0.4531,


0.3534


 156.6599, 0.4428,
0.3527


 10.4991, 0.6081,
0.3363


 10.4991, 0.6081,
0.3363


 9.7952, 0.6319,
0.3339


 11.6981, 0.5716,
0.3383

 9.7119, 0.6353,
0.3338

 13.4625, 0.5272,
0.3390

 15.8515, 0.4816,
0.3385

 18.9163, 0.4393,
0.3373

 22.7026, 0.4026,
0.3357

■ 27.2523, 0.3719,
0.3339

■ 32.6041, 0.3468,
0.3321

■ 38.7940, 0.3265,
0.3303

■ 45.8559, 0.3100,
0.3287

Harmonies

Analogous

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



10.4991, 0.5400, 0.2584



10.4991, 0.6081, 0.3363



10.4991, 0.5670, 0.4318

Triad

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



10.4991, 0.6081, 0.3363



10.4991, 0.2015, 0.5708



10.4991, 0.1358, 0.1263

Complementary

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



10.4991, 0.6081, 0.3363



31.3702, 0.2219, 0.3115

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.



10.4991, 0.0940, 0.1421



10.4991, 0.6081, 0.3363



10.4991, 0.1165, 0.3578

Square

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



10.4991, 0.6081, 0.3363



10.4991, 0.3236, 0.6327



10.4991, 0.0863, 0.2061



10.4991, 0.2259, 0.1423

Rectangle

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



10.4991, 0.6081, 0.3363



10.4991, 0.4953, 0.5047



10.4991, 0.0863, 0.2061



10.4991, 0.1175, 0.1277

Sweetspot

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



10.4998, 0.6081, 0.3363



51.0129, 0.3672, 0.3335



12.9086, 0.3319, 0.1654



10.6218, 0.3767, 0.3342



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.



10.4998, 0.6081, 0.3363



17.5004, 0.6364, 0.3328



20.1071, 0.5036, 0.4257



8.5894, 0.3285, 0.3305



6.9842, 0.6343, 0.3345



0.2484, 0.6117, 0.3525

Inverse Universe

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



31.3702, 0.2219, 0.3115



55.5801, 0.2191, 0.3087



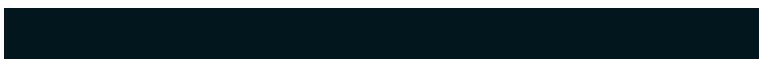
10.9678, 0.1820, 0.1644



9.5368, 0.2986, 0.3275



22.0161, 0.2192, 0.3093



0.7204, 0.2209, 0.3151

Previews

White Background



This preview shows how the Yxy color 10.4991, 0.6081, 0.3363 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 10.4991, 0.6081, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 10.4991, 0.6081, 0.3363.



This preview shows how white text looks on a background with the Yxy color 10.4991, 0.6081, 0.3363.

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

10.4991, 0.6081, 0.3363

Protanopia

10.8336, 0.4121, 0.4550

Deuteranopia

10.7614, 0.4688, 0.4660



Tritanopia

10.4822, 0.6006, 0.3306

Trichromacy



Original Color

10.4991, 0.6081, 0.3363

Protanomaly

9.2199, 0.5003, 0.3966

Deuteranomaly

9.5208, 0.5377, 0.4031

Tritanomaly

10.4681, 0.6040, 0.3326

Monochromacy



Original Color

10.4991, 0.6081, 0.3363

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.7467, 0.4425, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4991, 0.6081, 0.3363 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(178, 31, 21)` looks like.

```
.text, #text, p{  
  color:rgb(178, 31, 21)  
}
```

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(178, 31, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 31, 21) }
```

Border

The CSS property to change the border of an element to Yxy 10.4991, 0.6081, 0.3363 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(178, 31, 21) }
```

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

```
.border{ border-color:rgb(178, 31, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 31, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 31, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 31, 21);  
box-shadow:4px 4px 4px 4px rgb(178, 31,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4991, 0.6081, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 31, 21) }
```

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

```
.background{ background-color: rgb(178, 31,  
21) }
```

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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