

Converting Colors

$Y_{xy}(10.7152, 0.5168, 0.3153)$

Have a look what the booklet for
Yxy(10.7152, 0.5168, 0.3153)
contains.

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Color

Yxy(10.7148, 0.5170, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	A5333E
RGB	165, 51, 62
RGB Percent	65%, 20%, 24%
CMY	0.3530, 0.7999, 0.7569
CMYK	0.00, 0.69, 0.62, 0.35
HSL	354°, 53%, 42%
HSV	354°, 69%, 65%
XYZ	17.5691, 10.7148, 5.6989
YIQ	86.3400, 64.4130, 27.5890

Conversions

Conversions Part 2

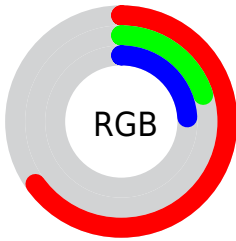
Format	Color
RYB	165, 51, 62
Decimal	10826558
CIELab	39.10, 47.34, 20.18
CIElCh	39, 51.462, 23.088
Yxy	10.7148, 0.5170, 0.3153
Android (android.graphics.Color)	4289016638 (0xFFA5333E)
YUV	86.3400, -11.9996, 68.9848
Hunter-Lab	32.7335, 38.5233, 12.5910

Details

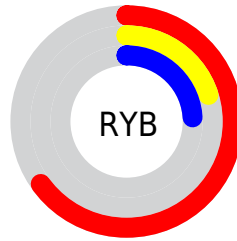
The Yxy color **10.7148, 0.5170, 0.3153** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **29.9453, 0.2405, 0.3487**, and the grayscale version is **9.3994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2148, 0.4640, 0.3250**, and **3.1763, 0.6001, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **9.3783, 0.5609, 0.3165**, and if you desaturate by 10%, it is **12.6090, 0.4729, 0.3157**.

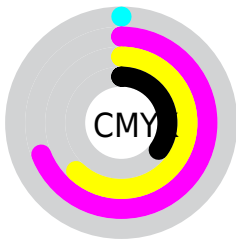
Distribution



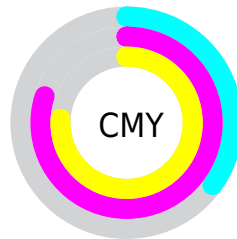
- Red (65%)
- Green (20%)
- Blue (24%)



- Red (65%)
- Yellow (20%)
- Blue (24%)



- Cyan (0%)
- Magenta (69%)
- Yellow (62%)
- Black (35%)




- Cyan (35%)
- Magenta (80%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7148, 0.5170, 0.3153 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 10.7148, 0.5170, 0.3153 by changing the saturation by 10% instead.


 10.7148, 0.5170,
0.3153

 10.7148, 0.5170,
0.3153


195.7003, 0.3906,
0.3301


 5.8754, 0.5590,
0.3058

 27.1316, 0.4638,
0.3240


 2.7695, 0.6194,
0.2879

 39.4777, 0.4461,
0.3261


 1.0126, 0.7385,
0.2615

 55.0949, 0.4321,
0.3275

 0.0000, 1.0000,
0.0000

 74.3675, 0.4206,
0.3284

 0.0000, 0.0000,
0.0000

 97.6800, 0.4112,
0.3291

 125.4167, 0.4032,

0.3296

157.9620, 0.3964,
0.3299

■ 10.7148, 0.5170,
0.3153

■ 10.7148, 0.5170,
0.3153

■ 9.3783, 0.5609,
0.3165

■ 12.6090, 0.4729,
0.3157

■ 8.5370, 0.5987,
0.3195

■ 15.1111, 0.4327,
0.3172

■ 8.0728, 0.6258,
0.3231

■ 18.2677, 0.3980,
0.3194

■ 8.0356, 0.6279,
0.3233

■ 22.1205, 0.3692,
0.3219

■ 26.7076, 0.3457,
0.3245

■ 32.0644, 0.3267,
0.3269

■ 38.2240, 0.3114,
0.3292

■ 45.2175, 0.2991,
0.3313

■ 53.0745, 0.2891,
0.3332

Harmonies

Analogous

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



10.7148, 0.4241, 0.2487



10.7148, 0.5170, 0.3153



10.7148, 0.5338, 0.3891

Triad

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



10.7148, 0.5170, 0.3153



10.7148, 0.2870, 0.5344



10.7148, 0.1504, 0.1713

Complementary

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



10.7148, 0.5170, 0.3153



29.9453, 0.2405, 0.3487

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.



10.7148, 0.1295, 0.2070



10.7148, 0.5170, 0.3153



10.7148, 0.1956, 0.4257

Square

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



10.7148, 0.5170, 0.3153



10.7148, 0.3903, 0.5360



10.7148, 0.1423, 0.2917



10.7148, 0.2066, 0.1702

Rectangle

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



10.7148, 0.5170, 0.3153



10.7148, 0.5044, 0.4418



10.7148, 0.1423, 0.2917



10.7148, 0.1398, 0.1788

Sweetspot

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



10.7154, 0.5170, 0.3153



45.8219, 0.3507, 0.3239



11.9158, 0.3036, 0.1704



9.5401, 0.3566, 0.3232



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



10.7154, 0.5170, 0.3153



15.8752, 0.5826, 0.3180



16.7146, 0.4805, 0.3946



7.0965, 0.3270, 0.3269



6.0833, 0.6264, 0.3224



0.1309, 0.5714, 0.2921

Inverse Universe

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



10.7154, 0.5170, 0.3153



15.8752, 0.5826, 0.3180



16.7102, 0.2128, 0.2403



7.0965, 0.3270, 0.3269



6.0833, 0.6264, 0.3224



0.1309, 0.5714, 0.2921

Previews

White Background



This preview shows how the Yxy color 10.7148, 0.5170, 0.3153 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 10.7148, 0.5170, 0.3153 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 10.7148, 0.5170, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 10.7148, 0.5170, 0.3153.



This preview shows how white text looks on a background with the Yxy color 10.7148, 0.5170, 0.3153.

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

10.7148, 0.5170, 0.3153

Protanopia

11.0046, 0.3402, 0.3600

Deuteranopia

10.9410, 0.4064, 0.4007



Tritanopia

10.7312, 0.5294, 0.3259

Trichromacy



Original Color

10.7148, 0.5170, 0.3153

Protanomaly

10.0674, 0.4033, 0.3397

Deuteranomaly

10.2432, 0.4514, 0.3614

Tritanomaly

10.7608, 0.5238, 0.3219

Monochromacy



Original Color

10.7148, 0.5170, 0.3153

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

8.9457, 0.3866, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7148, 0.5170, 0.3153 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(165, 51, 62)` looks like.

```
.text, #text, p{  
    color:rgb(165, 51, 62)  
}
```

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(165, 51, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 51, 62) }
```

Border

The CSS property to change the border of an element to Yxy 10.7148, 0.5170, 0.3153 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(165, 51, 62) }
```

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

```
.border{ border-color:rgb(165, 51, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 51, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 51, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 51, 62);  
box-shadow:4px 4px 4px 4px rgb(165, 51,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7148, 0.5170, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 51, 62) }
```

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

```
.background{ background-color: rgb(165, 51,  
62) }
```

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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