

Converting Colors

XYZ(18.4717, 10.3589, 2.5775)

Have a look what the booklet for
XYZ(18.4717, 10.3589, 2.5775)
contains.

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Color

**XYZ(18.5836, 10.4374,
2.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	AF2323
RGB	175, 35, 35
RGB Percent	69%, 14%, 14%
CMY	0.3137, 0.8627, 0.8627
CMYK	0.00, 0.80, 0.80, 0.31
HSL	0°, 67%, 41%
HSV	0°, 80%, 69%
XYZ	18.5836, 10.4374, 2.6253
YIQ	76.8600, 83.4400, 29.6800

Conversions

Conversions Part 2

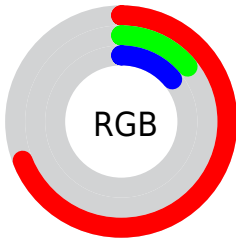
Format	Color
R_{YB}	175, 35, 35
Decimal	11477795
CIE Lab	38.62, 54.79, 36.39
CIE LCh	39, 65.770, 33.590
Yxy	10.4374, 0.5872, 0.3298
Android (android.graphics.Color)	4289667875 (0xFFAF2323)
YUV	76.8600, -20.6370, 86.0688
Hunter-Lab	32.3070, 46.1395, 17.7969

Details

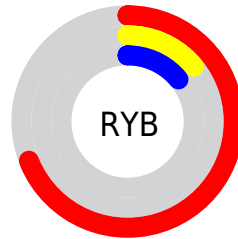
The XYZ color **18.5836, 10.4374, 2.6253** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.7585, 34.1076, 45.8883**, and the grayscale version is **7.0554, 7.4228, 8.0834**.

A 20% lighter version of the original color is **40.7478, 26.7766, 10.8053**, and **6.9394, 3.5774, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **17.9927, 9.5730, 1.4505**, and if you desaturate by 10%, it is **19.5611, 11.8682, 4.5681**.

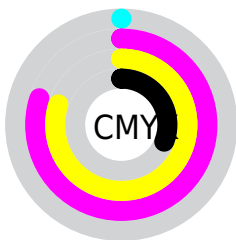
Distribution



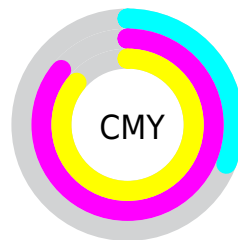
- Red (69%)
- Green (14%)
- Blue (14%)



- Red (69%)
- Yellow (14%)
- Blue (14%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5836, 10.4374, 2.6253 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 XYZ color 18.5836, 10.4374, 2.6253 by changing the saturation by 10% instead.


 18.5836, 10.4374,
2.6253

 18.5836, 10.4374,
2.6253


237.1227,
193.7660, 131.4351


 11.4720, 5.6899,
0.9055


 40.5516, 26.6150,
10.6889


 6.4549, 2.6575,
0.0000


 56.1388, 38.8139,
17.8710


 3.1669, 0.9556,
0.0000

 75.2818, 54.2655,
27.7113

 1.2426, 0.0000,
0.0000

 98.3461, 73.3540,
40.6284

 0.1396, 0.0000,
0.0000

 125.6969, 96.4639,
57.0407

 0.0000, 0.0000,
0.0000

 157.6998,

123.9796, 77.3670

194.7199,
156.2855, 102.0256

18.5836, 10.4374,
2.6253

18.5836, 10.4374,
2.6253

17.9927, 9.5730,
1.4505

19.5611, 11.8682,
4.5681

17.6792, 9.1142,
0.8275

20.9753, 13.9376,
7.3792

17.6792, 9.1142,
0.8274

22.8693, 16.7092,
11.1443

25.2811, 20.2383,
15.9387

28.2447, 24.5749,
21.8302

■ 31.7913, 29.7645,
28.8807

■ 35.9497, 35.8495,
37.1477

■ 40.7470, 42.8692,
46.6846

■ 46.2084, 50.8606,
57.5420

Harmonies

Analogous

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



20.7476, 10.4374, 9.9377



18.5836, 10.4374, 2.6253



14.0973, 10.4374, 0.5365

Triad

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



18.5836, 10.4374, 2.6253



4.1815, 10.4374, 3.7227



10.4503, 10.4374, 55.5461

Complementary

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



18.5836, 10.4374, 2.6253



23.7585, 34.1076, 45.8883

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.



6.6627, 10.4374, 48.8151



18.5836, 10.4374, 2.6253



3.7209, 10.4374, 12.9219

Square

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



18.5836, 10.4374, 2.6253



5.9947, 10.4374, 0.8245



4.4811, 10.4374, 30.2852



15.2682, 10.4374, 44.9799

Rectangle

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



18.5836, 10.4374, 2.6253



10.8779, 10.4374, 0.0854



4.4811, 10.4374, 30.2852



9.0209, 10.4374, 55.2525

Sweetspot

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



18.5838, 10.4380, 2.6255



54.0009, 49.0105, 45.8867



26.0179, 13.4111, 41.7744



11.5183, 10.1849, 9.2366



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.5838, 10.4380, 2.6255



31.8112, 16.5401, 1.7766



23.0340, 19.3384, 4.1088



8.0053, 8.0155, 8.3386



12.6608, 6.5271, 0.5926



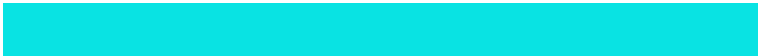
0.3522, 0.1816, 0.0165

Inverse Universe

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



23.7585, 34.1076, 45.8883



41.4223, 60.5028, 82.1319



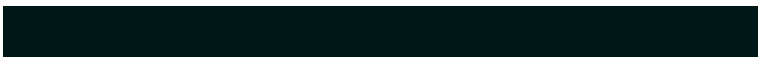
13.4826, 13.5556, 42.4630



8.2363, 9.0720, 10.2697



16.5176, 24.1691, 32.8391



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 18.5836, 10.4374, 2.6253 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 XYZ color 18.5836, 10.4374, 2.6253 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](#).

XYZ 18.5836, 10.4374, 2.6253

Background



This preview shows how black text looks on a background with the XYZ color 18.5836, 10.4374, 2.6253.



This preview shows how white text looks on a background with the XYZ color 18.5836, 10.4374,

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

18.5836, 10.4374, 2.6253

Protanopia

9.7915, 10.6600, 4.6735

Deuteranopia

10.8468, 10.7543, 2.3147



Tritanopia

18.5836, 10.4374, 2.6253

Trichromacy



Original Color

18.5836, 10.4374, 2.6253

Protanomaly

11.6290, 9.2851, 3.6619

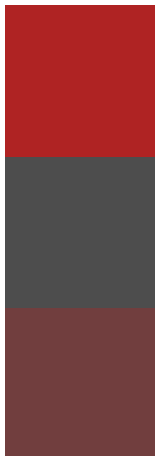
Deuteranomaly

12.6425, 9.6537, 2.2339

Tritanomaly

18.5836, 10.4374, 2.6253

Monochromacy



Original Color

18.5836, 10.4374, 2.6253

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.4022, 7.3038, 5.4716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5836, 10.4374, 2.6253 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(175, 35, 35)` looks like.

```
.text, #text, p{  
  color:rgb(175, 35, 35)  
}
```

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(175, 35, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 35, 35) }
```

Border

The CSS property to change the border of an element to XYZ 18.5836, 10.4374, 2.6253 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(175, 35, 35) }
```


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

```
.border{ border-color:rgb(175, 35, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 35, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 35, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 35, 35);  
box-shadow:4px 4px 4px 4px rgb(175, 35,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5836, 10.4374, 2.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 35, 35) }
```

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

```
.background{ background-color: rgb(175, 35,  
35) }
```

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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