

Converting Colors

XYZ(18.0032, 10.0819, 3.1876)

Have a look what the booklet for
XYZ(18.0032, 10.0819, 3.1876)
contains.

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Color

**XYZ(18.0032, 10.0819,
3.1876)**

Conversions

Conversions Part 1

Format	Color
Hex	AC222A
RGB	172, 34, 42
RGB Percent	67%, 13%, 16%
CMY	0.3255, 0.8666, 0.8353
CMYK	0.00, 0.80, 0.76, 0.33
HSL	357°, 67%, 40%
HSV	357°, 80%, 67%
XYZ	18.0032, 10.0819, 3.1876
YIQ	76.1740, 79.6800, 31.7440

Conversions

Conversions Part 2

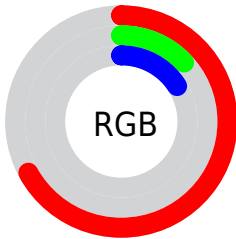
Format	Color
RYB	172, 34, 42
Decimal	11280938
CIELab	37.99, 54.44, 31.44
CIElCh	38, 62.866, 30.012
Yxy	10.0819, 0.5757, 0.3224
Android (android.graphics.Color)	4289471018 (0xFFAC222A)
YUV	76.1740, -16.8478, 84.0394
Hunter-Lab	31.7520, 45.6424, 16.2743

Details

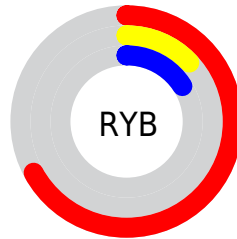
The XYZ color **18.0032, 10.0819, 3.1876** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.1144, 32.5259, 40.2399**, and the grayscale version is **6.9221, 7.2826, 7.9308**.

A 20% lighter version of the original color is **39.6075, 26.0257, 12.1684**, and **6.6821, 3.4447, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **17.3949, 9.2394, 1.8319**, and if you desaturate by 10%, it is **18.9752, 11.4644, 5.2431**.

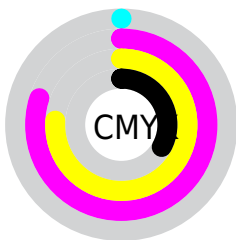
Distribution



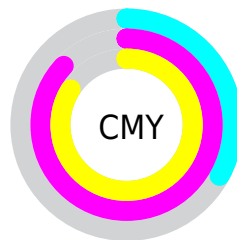
- Red (67%)
- Green (13%)
- Blue (16%)



- Red (67%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (80%)
- Yellow (76%)
- Black (33%)





- Cyan (33%)
- Magenta (87%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0032, 10.0819, 3.1876 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 18.0032, 10.0819, 3.1876 by changing the saturation by 10% instead.


 18.0032, 10.0819,
3.1876


 18.0032, 10.0819,
3.1876


233.9343,
191.2556, 138.7152


 11.0520, 5.4533,
1.1912


 39.5728, 25.9494,
12.0879


 6.1694, 2.5156,
0.0000


 54.9219, 37.9571,
19.8290


 2.9900, 0.8844,
0.0000

 73.8011, 53.1934,
30.3220

 1.1485, 0.0000,
0.0000

 96.5756, 72.0425,
43.9855

 0.0651, 0.0000,
0.0000

 123.6108, 94.8888,
61.2380

 0.0000, 0.0000,
0.0000

 155.2721,

122.1169, 82.4981

191.9248,
154.1110, 108.1843

■ 18.0032, 10.0819,
3.1876

■ 18.0032, 10.0819,
3.1876

■ 17.3949, 9.2394,
1.8319

■ 18.9752, 11.4644,
5.2431

■ 17.0677, 8.7924,
1.0835

■ 20.3551, 13.4548,
8.0752

■ 22.1817, 16.1131,
11.7513

■ 24.4889, 19.4914,
16.3311

■ 27.3075, 23.6370,
21.8691

■ 30.6657, 28.5929,
28.4154

■ 34.5894, 34.3990,
36.0166

■ 39.1032, 41.0926,
44.7165

■ 44.2299, 48.7087,
54.5563

Harmonies

Analogous

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



19.6356, 10.0819, 10.9730



18.0032, 10.0819, 3.1876



14.0120, 10.0819, 0.7724

Triad

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



18.0032, 10.0819, 3.1876



4.3072, 10.0819, 3.1910



9.5841, 10.0819, 51.6219

Complementary

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



18.0032, 10.0819, 3.1876



22.1144, 32.5259, 40.2399

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.



6.2014, 10.0819, 43.7073



18.0032, 10.0819, 3.1876



3.7255, 10.0819, 10.9820

Square

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



18.0032, 10.0819, 3.1876



6.1994, 10.0819, 0.7733



4.3081, 10.0819, 26.2833



14.0155, 10.0819, 43.6960

Rectangle

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



18.0032, 10.0819, 3.1876



10.9937, 10.0819, 0.2506



4.3081, 10.0819, 26.2833



8.2977, 10.0819, 50.6815

Sweetspot

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



18.0034, 10.0825, 3.1877



52.9485, 47.9079, 46.3282



23.0821, 11.8888, 40.1076



11.0573, 9.7481, 9.1911



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.0034, 10.0825, 3.1877



31.1016, 16.1620, 2.2117



21.2876, 16.8572, 3.6461



8.0233, 8.0226, 8.4338



12.7084, 6.5459, 0.8438



0.3595, 0.1845, 0.0548

Inverse Universe

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



18.0034, 10.0825, 3.1877



31.1016, 16.1620, 2.2117



13.9232, 14.9525, 41.1817



8.0233, 8.0226, 8.4338



12.7084, 6.5459, 0.8438



0.3595, 0.1845, 0.0548

Previews

White Background



This preview shows how the XYZ color 18.0032, 10.0819, 3.1876 looks on a white background.

Color Contrast Check

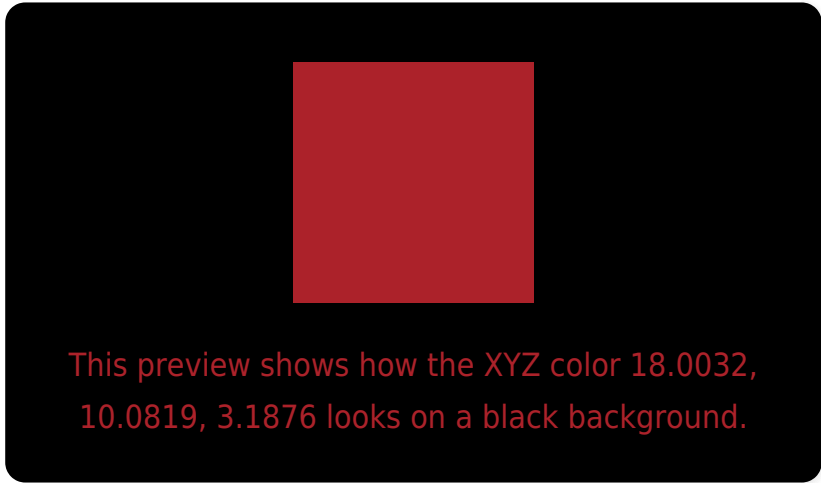
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

XYZ 18.0032, 10.0819, 3.1876

Background



This preview shows how black text looks on a background with the XYZ color 18.0032, 10.0819, 3.1876.



This preview shows how white text looks on a background with the XYZ color 18.0032, 10.0819,

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

18.0032, 10.0819, 3.1876

Protanopia

9.7023, 10.4611, 5.7828

Deuteranopia

10.4124, 10.2761, 2.8735



Tritanopia

17.9177, 10.0941, 2.5941

Trichromacy



Original Color

18.0032, 10.0819, 3.1876

Protanomaly

11.4369, 9.0730, 4.5166

Deuteranomaly

12.1571, 9.2100, 2.8060

Tritanomaly

17.9641, 10.1127, 2.8388

Monochromacy



Original Color

18.0032, 10.0819, 3.1876

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.1497, 7.0872, 5.7362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0032, 10.0819, 3.1876 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(172, 34, 42)` looks like.

```
.text, #text, p{  
    color:rgb(172, 34, 42)  
}
```

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(172, 34, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 34, 42) }
```

Border

The CSS property to change the border of an element to XYZ 18.0032, 10.0819, 3.1876 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(172, 34, 42) }
```


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

```
.border{ border-color:rgb(172, 34, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 34, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 34, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 34, 42);  
box-shadow:4px 4px 4px 4px rgb(172, 34,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0032, 10.0819, 3.1876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 34, 42) }
```

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

```
.background{ background-color: rgb(172, 34,  
42) }
```

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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