

Converting Colors

XYZ(17.8246, 10.0881, 3.3184)

Have a look what the booklet for
XYZ(17.8246, 10.0881, 3.3184)
contains.

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Color

**XYZ(17.8615, 10.0941,
3.2924)**

Conversions

Conversions Part 1

Format	Color
Hex	AB242B
RGB	171, 36, 43
RGB Percent	67%, 14%, 17%
CMY	0.3294, 0.8588, 0.8314
CMYK	0.00, 0.79, 0.75, 0.33
HSL	357°, 65%, 41%
HSV	357°, 79%, 67%
XYZ	17.8615, 10.0941, 3.2924
YIQ	77.1630, 78.2130, 30.7970

Conversions

Conversions Part 2

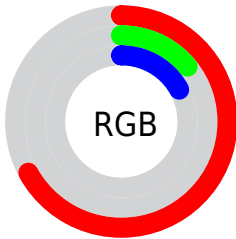
Format	Color
RYB	171, 36, 43
Decimal	11215915
CIELab	38.01, 53.59, 30.81
CIELCh	38, 61.816, 29.899
Yxy	10.0941, 0.5716, 0.3230
Android (android.graphics.Color)	4289405995 (0xFFAB242B)
YUV	77.1630, -16.8424, 82.2950
Hunter-Lab	31.7712, 44.7515, 16.0957

Details

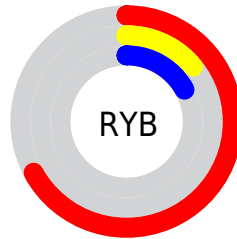
The XYZ color **17.8615, 10.0941, 3.2924** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **21.9926, 32.1816, 40.1796**, and the grayscale version is **7.1055, 7.4756, 8.1409**.

A 20% lighter version of the original color is **39.4101, 26.0503, 12.4023**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.2212, 9.1988, 1.8918**, and if you desaturate by 10%, it is **18.8676, 11.5322, 5.3984**.

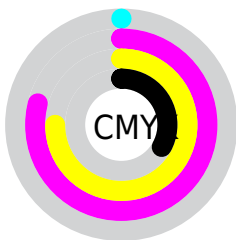
Distribution



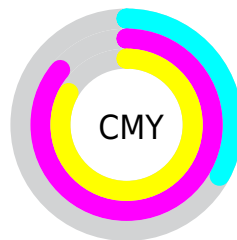
- Red (67%)
- Green (14%)
- Blue (17%)



- Red (67%)
- Yellow (14%)
- Blue (17%)



- Cyan (0%)
- Magenta (79%)
- Yellow (75%)
- Black (33%)





- Cyan (33%)
- Magenta (86%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8615, 10.0941, 3.2924 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 17.8615, 10.0941, 3.2924 by changing the saturation by 10% instead.


 17.8615, 10.0941,
3.2924


 17.8615, 10.0941,
3.2924


233.1499,
191.3424, 140.0018


 10.9497, 5.4614,
1.2458


 39.3331, 25.9723,
12.3418

 6.1001, 2.5204,
0.0167


 54.6236, 37.9867,
20.1817


 2.9473, 0.8868,
0.0000

 73.4378, 53.2303,
30.7898

 1.1259, 0.0000,
0.0000

 96.1408, 72.0877,
44.5846

 0.0466, 0.0000,
0.0000

 123.0982, 94.9432,
61.9847

 0.0000, 0.0000,
0.0000

 154.6753,

122.1812, 83.4085

191.2374,
154.1861, 109.2747

■ 17.8615, 10.0941,
3.2924

■ 17.8615, 10.0941,
3.2924

■ 17.2212, 9.1988,
1.8918

■ 18.8676, 11.5322,
5.3984

■ 16.8721, 8.7204,
1.0977

■ 20.2826, 13.5785,
8.2858

■ 16.8430, 8.6773,
1.0414

■ 22.1441, 16.2912,
12.0212

■ 24.4855, 19.7211,
16.6639

■ 27.3368, 23.9142,
22.2681

■ 30.7257, 28.9125,
28.8836

■ 34.6778, 34.7552,
36.5567

■ 39.2172, 41.4786,
45.3309

■ 44.3665, 49.1172,
55.2474

Harmonies

Analogous

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



19.4455, 10.0941, 11.0294



17.8615, 10.0941, 3.2924



13.9601, 10.0941, 0.8429

Triad

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



17.8615, 10.0941, 3.2924



4.3849, 10.0941, 3.2626



9.5807, 10.0941, 50.6223

Complementary

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



17.8615, 10.0941, 3.2924



21.9926, 32.1816, 40.1796

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.



6.2490, 10.0941, 42.8830



17.8615, 10.0941, 3.2924



3.8013, 10.0941, 10.9522

Square

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



17.8615, 10.0941, 3.2924



6.2665, 10.0941, 0.8353



4.3769, 10.0941, 25.9094



13.9302, 10.0941, 42.9787

Rectangle

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



17.8615, 10.0941, 3.2924



10.9979, 10.0941, 0.3271



4.3769, 10.0941, 25.9094



8.3152, 10.0941, 49.6890

Sweetspot

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



17.8617, 10.0947, 3.2925



51.5784, 46.6896, 45.0031



22.8822, 11.8841, 39.6156



11.0498, 9.7451, 9.1515



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.



17.8617, 10.0947, 3.2925



30.3439, 15.8053, 2.2107



21.1609, 16.8810, 3.8130



8.0214, 8.0218, 8.4237



12.7033, 6.5439, 0.8172



0.3587, 0.1842, 0.0508

Inverse Universe

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



17.8617, 10.0947, 3.2925



30.3439, 15.8053, 2.2107



13.9286, 15.0155, 40.6920



8.0214, 8.0218, 8.4237



12.7033, 6.5439, 0.8172



0.3587, 0.1842, 0.0508

Previews

White Background



This preview shows how the XYZ color 17.8615, 10.0941, 3.2924 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 17.8615, 10.0941, 3.2924 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 17.8615, 10.0941, 3.2924

Background



This preview shows how black text looks on a background with the XYZ color 17.8615, 10.0941, 3.2924.

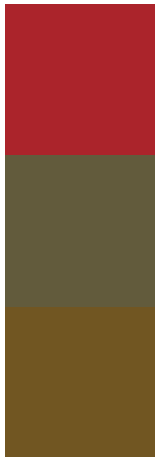


This preview shows how white text looks on a background with the XYZ color 17.8615, 10.0941,

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

17.8615, 10.0941, 3.2924

Protanopia

9.5937, 10.4051, 5.7777

Deuteranopia

10.4266, 10.2818, 2.9484



Tritanopia

17.7901, 10.1146, 2.7649

Trichromacy



Original Color

17.8615, 10.0941, 3.2924

Protanomaly

11.3765, 9.1328, 4.6532

Deuteranomaly

12.2326, 9.3361, 2.9076

Tritanomaly

17.8224, 10.1275, 2.9349

Monochromacy



Original Color

17.8615, 10.0941, 3.2924

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.2323, 7.2064, 5.9054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8615, 10.0941, 3.2924 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(171, 36, 43)` looks like.

```
.text, #text, p{  
    color:rgb(171, 36, 43)  
}
```

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(171, 36, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 36, 43) }
```

Border

The CSS property to change the border of an element to XYZ 17.8615, 10.0941, 3.2924 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(171, 36, 43) }
```


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

```
.border{ border-color:rgb(171, 36, 43) }
```

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

Here you see how a box with a 4 pixel rgb(171, 36, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 36, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 36, 43);  
box-shadow:4px 4px 4px 4px rgb(171, 36,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8615, 10.0941, 3.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 36, 43) }
```

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

```
.background{ background-color: rgb(171, 36,  
43) }
```

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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