

Converting Colors

XYZ(17.2330, 9.6129, 2.6766)

Have a look what the booklet for
XYZ(17.2330, 9.6129, 2.6766)
contains.

XYZ(17.2126, 9.6016, 2.6964)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.2126, 9.6016,
2.6964)**

Conversions

Conversions Part 1

Format	Color
Hex	A92025
RGB	169, 32, 37
RGB Percent	66%, 13%, 15%
CMY	0.3373, 0.8745, 0.8549
CMYK	0.00, 0.81, 0.78, 0.34
HSL	358°, 68%, 39%
HSV	358°, 81%, 66%
XYZ	17.2126, 9.6016, 2.6964
YIQ	73.5330, 80.0470, 30.5990

Conversions

Conversions Part 2

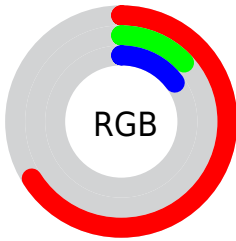
Format	Color
R_{YB}	169, 32, 37
Decimal	11083813
CIE Lab	37.12, 53.93, 33.29
CIE LCh	37, 63.373, 31.685
Yxy	9.6016, 0.5833, 0.3254
Android (android.graphics.Color)	4289273893 (0xFFA92025)
YUV	73.5330, -18.0108, 83.7246
Hunter-Lab	30.9864, 44.9283, 16.5312

Details

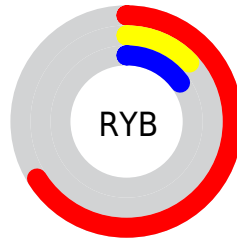
The XYZ color **17.2126, 9.6016, 2.6964** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **21.4856, 31.3636, 40.0482**, and the grayscale version is **6.4481, 6.7840, 7.3877**.

A 20% lighter version of the original color is **38.2191, 25.0803, 10.8093**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **16.6672, 8.8329, 1.5222**, and if you desaturate by 10%, it is **18.1059, 10.8839, 4.5492**.

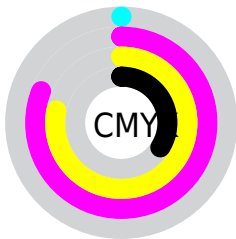
Distribution



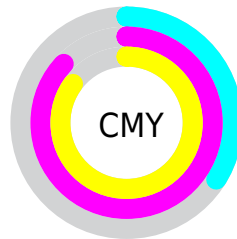
- Red (66%)
- Green (13%)
- Blue (15%)



- Red (66%)
- Yellow (13%)
- Blue (15%)



- Cyan (0%)
- Magenta (81%)
- Yellow (78%)
- Black (34%)





- Cyan (34%)
- Magenta (87%)
- Yellow (85%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2126, 9.6016, 2.6964 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 17.2126, 9.6016, 2.6964 by changing the saturation by 10% instead.


 17.2126, 9.6016,
2.6964

 17.2126, 9.6016,
2.6964


229.5270,
187.8045, 132.3946


 10.4824, 5.1356,
0.9416


 38.2316, 25.0434,
10.8696


 5.7847, 2.3271,
0.0000

 53.2512, 36.7880,
18.1253


 2.7540, 0.7880,
0.0000

 71.7647, 51.7276,
28.0518

 1.0251, 0.0000,
0.0000

 94.1373, 70.2466,
41.0676


 0.0000, 0.0000,
0.0000


 120.7345, 92.7294,
57.5912

 151.9216,


119.5604, 78.0412


 188.0640,
151.1240, 102.8362


 17.2126, 9.6016,
2.6964


 17.2126, 9.6016,
2.6964


 16.6672, 8.8329,
1.5222


 18.1059, 10.8839,
4.5492

 16.3958, 8.4484,
0.9433

 19.3912, 12.7462,
7.1617

 21.1071, 15.2470,
10.6039

 23.2872, 18.4370,
14.9378

 25.9618, 22.3621,
20.2197

■ 29.1586, 27.0640,
26.5010

■ 32.9034, 32.5813,
33.8294

■ 37.2202, 38.9502,
42.2499

■ 42.1315, 46.2045,
51.8043

Harmonies

Analogous

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



18.9897, 9.6016, 9.8293



17.2126, 9.6016, 2.6964



13.2130, 9.6016, 0.5737

Triad

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



17.2126, 9.6016, 2.6964



3.9483, 9.6016, 3.1695



9.3507, 9.6016, 50.6122

Complementary

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



17.2126, 9.6016, 2.6964



21.4856, 31.3636, 40.0482

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.



5.9829, 9.6016, 43.5631



17.2126, 9.6016, 2.6964



3.4537, 9.6016, 11.1057

Square

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



17.2126, 9.6016, 2.6964



5.6963, 9.6016, 0.7040



4.0771, 9.6016, 26.4990



13.7131, 9.6016, 41.9315

Rectangle

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



17.2126, 9.6016, 2.6964



10.2664, 9.6016, 0.0902



4.0771, 9.6016, 26.4990



8.0734, 9.6016, 49.9887

Sweetspot

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



17.2128, 9.6022, 2.6965



50.1842, 45.4716, 43.4640



22.6090, 11.5953, 38.5823



10.5124, 9.2849, 8.6371



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.2128, 9.6022, 2.6965



29.4567, 15.2821, 1.8244



20.5951, 16.4837, 3.4636



7.5418, 7.5466, 7.9042



12.2242, 6.2984, 0.7261



0.3008, 0.1546, 0.0353

Inverse Universe

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



17.2128, 9.6022, 2.6965



29.4567, 15.2821, 1.8244



13.0522, 13.7614, 39.5041



7.5418, 7.5466, 7.9042



12.2242, 6.2984, 0.7261



0.3008, 0.1546, 0.0353

Previews

White Background



This preview shows how the XYZ color 17.2126, 9.6016, 2.6964 looks on a white background.

Color Contrast Check

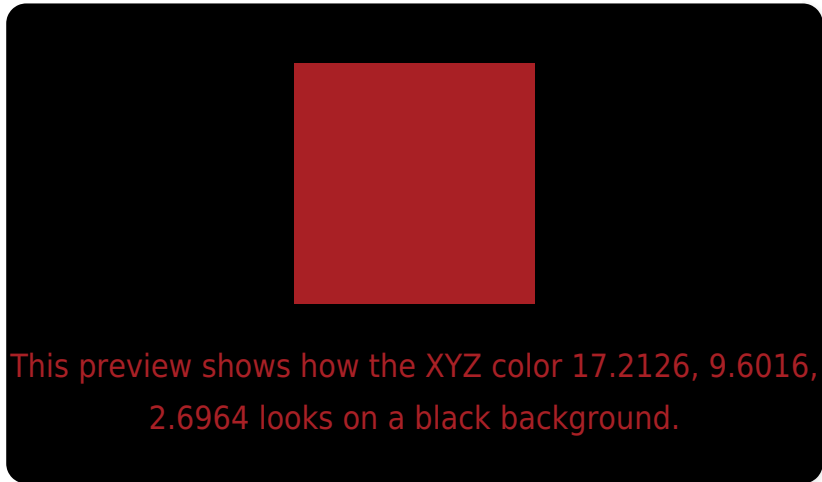
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 17.2126, 9.6016, 2.6964

Background



This preview shows how black text looks on a background with the XYZ color 17.2126, 9.6016, 2.6964.



This preview shows how white text looks on a background with the XYZ color 17.2126, 9.6016,

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

17.2126, 9.6016, 2.6964

Protanopia

9.1447, 9.9432, 4.8054

Deuteranopia

9.9237, 9.7993, 2.4053



Tritanopia

17.1668, 9.6270, 2.3199

Trichromacy



Original Color

17.2126, 9.6016, 2.6964

Protanomaly

10.7486, 8.5504, 3.7732

Deuteranomaly

11.6533, 8.7851, 2.3778

Tritanomaly

17.1948, 9.6382, 2.4675

Monochromacy



Original Color

17.2126, 9.6016, 2.6964

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.7129, 6.7161, 5.2520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2126, 9.6016, 2.6964 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(169, 32, 37)` looks like.

```
.text, #text, p{  
    color:rgb(169, 32, 37)  
}
```

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(169, 32, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 32, 37) }
```

Border

The CSS property to change the border of an element to XYZ 17.2126, 9.6016, 2.6964 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(169, 32, 37) }
```


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

```
.border{ border-color:rgb(169, 32, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 32, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 32, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 32, 37);  
box-shadow:4px 4px 4px 4px rgb(169, 32,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2126, 9.6016, 2.6964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 32, 37) }
```

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

```
.background{ background-color: rgb(169, 32,  
37) }
```

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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