

Converting Colors

XYZ(17.2120, 9.0512, 3.3412)

Have a look what the booklet for
XYZ(17.2120, 9.0512, 3.3412)
contains.

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Color

**XYZ(17.2083, 9.0496,
3.3224)**

Conversions

Conversions Part 1

Format	Color
Hex	AA0E2D
RGB	170, 14, 45
RGB Percent	67%, 5%, 18%
CMY	0.3333, 0.9450, 0.8235
CMYK	0.00, 0.92, 0.74, 0.33
HSL	348°, 85%, 36%
HSV	348°, 92%, 67%
XYZ	17.2083, 9.0496, 3.3224
YIQ	64.1780, 83.0250, 42.7130

Conversions

Conversions Part 2

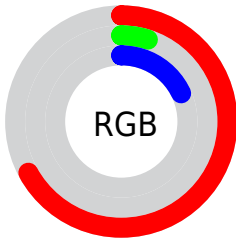
Format	Color
RYB	170, 14, 45
Decimal	11144749
CIELab	36.08, 58.38, 27.30
CIElCh	36, 64.444, 25.059
Yxy	9.0496, 0.5817, 0.3059
Android (android.graphics.Color)	4289334829 (0xFFAA0E2D)
YUV	64.1780, -9.4548, 92.8059
Hunter-Lab	30.0826, 49.4639, 14.5096

Details

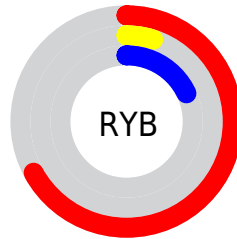
The XYZ color **17.2083, 9.0496, 3.3224** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.2179, 30.7076, 29.3488**, and the grayscale version is **4.9067, 5.1622, 5.6217**.

A 20% lighter version of the original color is **38.1843, 23.9457, 12.5070**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **16.8628, 8.6601, 2.2783**, and if you desaturate by 10%, it is **17.8478, 9.8391, 5.0452**.

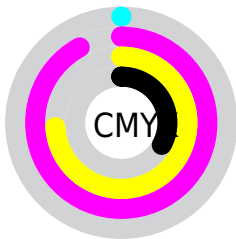
Distribution



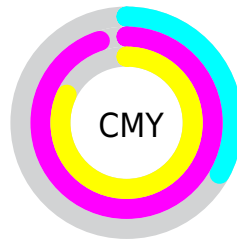
- Red (67%)
- Green (5%)
- Blue (18%)



- Red (67%)
- Yellow (5%)
- Blue (18%)



- Cyan (0%)
- Magenta (92%)
- Yellow (74%)
- Black (33%)




- Cyan (33%)
- Magenta (95%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2083, 9.0496, 3.3224 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 17.2083, 9.0496, 3.3224 by changing the saturation by 10% instead.


 17.2083, 9.0496,
3.3224


 17.2083, 9.0496,
3.3224


229.5028,
183.7475, 140.3665


 10.4793, 4.7735,
1.2615


 38.2243, 23.9918,
12.4141


 5.7826, 2.1150,
0.0299

 53.2421, 35.4268,
20.2821


 2.7527, 0.6731,
0.0000

 71.7535, 50.0169,
30.9227

 1.0244, 0.0000,
0.0000

 94.1239, 68.1464,
44.7547

 0.0000, 0.0000,
0.0000

 120.7187, 90.1999,
62.1966

 151.9032,

116.5616, 83.6668

188.0428,
147.6160, 109.5839

■ 17.2083, 9.0496,
3.3224

■ 17.2083, 9.0496,
3.3224

■ 16.8628, 8.6601,
2.2783

■ 17.8478, 9.8391,
5.0452

■ 18.8132, 11.1329,
7.3307

■ 20.1436, 12.9990,
10.2243

■ 21.8724, 15.4944,
13.7668

■ 24.0288, 18.6689,
17.9949

■ 26.6395, 22.5676,
22.9428

■ 29.7288, 27.2315,
28.6421

■ 33.3193, 32.6986,
35.1228

■ 37.4323, 39.0044,
42.4131

Harmonies

Analogous

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



18.2938, 9.0496, 11.7960



17.2083, 9.0496, 3.3224



13.5799, 9.0496, 0.6557

Triad

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



17.2083, 9.0496, 3.3224



3.8458, 9.0496, 2.0129



7.9790, 9.0496, 49.7055

Complementary

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



17.2083, 9.0496, 3.3224



19.2179, 30.7076, 29.3488

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.



5.0180, 9.0496, 39.4829



17.2083, 9.0496, 3.3224



3.1307, 9.0496, 8.1368

Square

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



17.2083, 9.0496, 3.3224



5.8298, 9.0496, 0.2677



3.4847, 9.0496, 21.8476



12.1359, 9.0496, 44.2744

Rectangle

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



17.2083, 9.0496, 3.3224



10.6561, 9.0496, 0.0000



3.4847, 9.0496, 21.8476



6.8293, 9.0496, 47.8513

Sweetspot

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



17.2085, 9.0502, 3.3225



50.0557, 43.5359, 44.8295



18.0278, 8.6891, 38.7571



10.6687, 8.9659, 9.0770



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.



17.2085, 9.0502, 3.3225



30.5340, 15.6882, 3.8076



18.3158, 11.8956, 1.7470



7.5898, 7.5658, 8.1569



12.4211, 6.3771, 1.7630



0.3189, 0.1618, 0.1308

Inverse Universe

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



17.2085, 9.0502, 3.3225



30.5340, 15.6882, 3.8076



14.5457, 17.2130, 40.5859



7.5898, 7.5658, 8.1569



12.4211, 6.3771, 1.7630



0.3189, 0.1618, 0.1308

Previews

White Background



This preview shows how the XYZ color 17.2083, 9.0496, 3.3224 looks on a white background.

Color Contrast Check

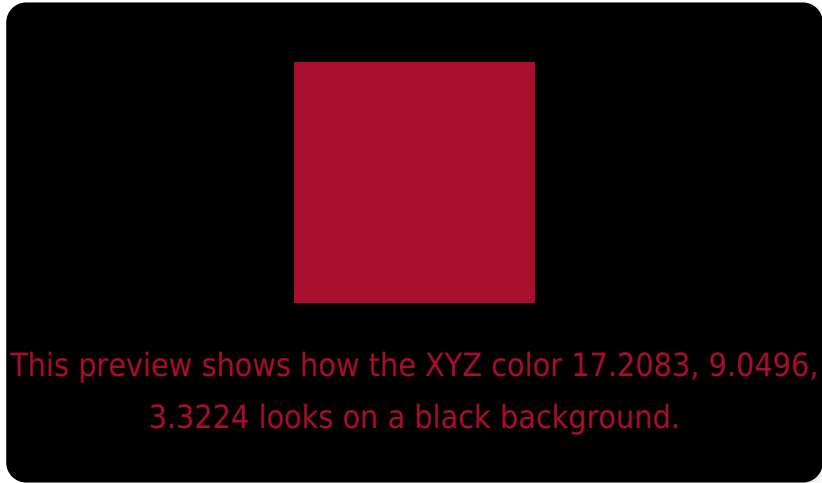
Large Text (above 18pt) WCAG AA ✓ Pass

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

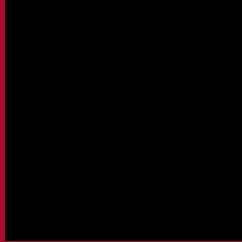
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2083, 9.0496, 3.3224

Background



This preview shows how black text looks on a background with the XYZ color 17.2083, 9.0496, 3.3224.



This preview shows how white text looks on a background with the XYZ color 17.2083, 9.0496,

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

17.2083, 9.0496, 3.3224

Protanopia

8.9355, 9.5488, 6.6823

Deuteranopia

9.5960, 9.5020, 2.9974



Tritanopia

16.7666, 9.0559, 1.4803

Trichromacy



Original Color

17.2083, 9.0496, 3.3224

Protanomaly

10.2904, 7.6124, 5.0647

Deuteranomaly

11.2393, 7.9979, 2.8708

Tritanomaly

16.8047, 8.9846, 1.9471

Monochromacy



Original Color

17.2083, 9.0496, 3.3224

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.3090, 5.1330, 4.4764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2083, 9.0496, 3.3224 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(170, 14, 45)` looks like.

```
.text, #text, p{  
    color:rgb(170, 14, 45)  
}
```

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(170, 14, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 14, 45) }
```

Border

The CSS property to change the border of an element to XYZ 17.2083, 9.0496, 3.3224 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(170, 14, 45) }
```


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

```
.border{ border-color:rgb(170, 14, 45) }
```

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

Here you see how a box with a 4 pixel rgb(170, 14, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 14, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 14, 45);  
box-shadow:4px 4px 4px 4px rgb(170, 14,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2083, 9.0496, 3.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 14, 45) }
```

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

```
.background{ background-color: rgb(170, 14,  
45) }
```

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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