

Converting Colors

XYZ(17.6390, 9.0566, 2.4789)

Have a look what the booklet for
XYZ(17.6390, 9.0566, 2.4789)
contains.

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Color

**XYZ(17.5520, 9.0116,
2.4834)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0024
RGB	173, 0, 36
RGB Percent	68%, 0%, 14%
CMY	0.3216, 0.9999, 0.8588
CMYK	0.00, 1.00, 0.79, 0.32
HSL	348°, 100%, 34%
HSV	348°, 100%, 68%
XYZ	17.5520, 9.0116, 2.4834
YIQ	55.8310, 91.5520, 47.8720

Conversions

Conversions Part 2

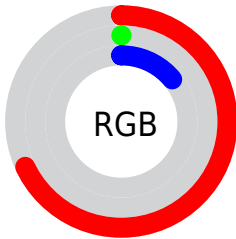
Format	Color
R_{YB}	173, 0, 36
Decimal	11337764
CIE _{Lab}	36.01, 60.56, 32.95
CIE _{LCh}	36, 68.945, 28.547
Yxy	9.0116, 0.6043, 0.3102
Android (android.graphics.Color)	4289527844 (0xFFAD0024)
YUV	55.8310, -9.7767, 102.7572
Hunter-Lab	30.0193, 51.8333, 16.1087

Details

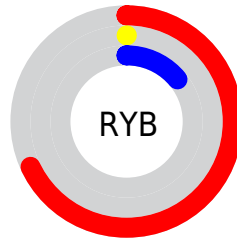
The XYZ color **17.5520, 9.0116, 2.4834** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **19.4612, 31.6940, 28.7693**, and the grayscale version is **3.7431, 3.9380, 4.2885**.

A 20% lighter version of the original color is **38.8017, 23.8757, 10.3480**, and **6.6821, 3.4447, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **17.5515, 9.0114, 2.4816**, and if you desaturate by 10%, it is **18.0084, 9.5231, 3.8731**.

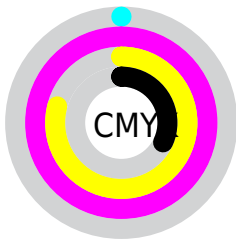
Distribution



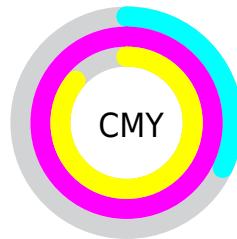
- Red (68%)
- Green (0%)
- Blue (14%)



- Red (68%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5520, 9.0116, 2.4834 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 17.5520, 9.0116, 2.4834 by changing the saturation by 10% instead.


 17.5520, 9.0116,
2.4834


 17.5520, 9.0116,
2.4834


231.4284,
183.4644, 129.4815


 10.7266, 4.7487,
0.8313


 38.8085, 23.9190,
10.3246


 5.9492, 2.1006,
0.0000


 53.9704, 35.3324,
17.3569

 2.8546, 0.6650,
0.0000

 72.6417, 49.8980,
27.0216

 1.0773, 0.0000,
0.0000

 95.1879, 68.0003,
39.7374


 0.0060, 0.0000,
0.0000


 121.9743, 90.0238,
55.9227


 0.0000, 0.0000,
0.0000


 153.3663,

116.3526, 75.9961


 189.7292,
147.3714, 100.3762


 17.5520, 9.0116,
2.4834


 17.5520, 9.0116,
2.4834


 17.5515, 9.0114,
2.4816

 18.0084, 9.5231,
3.8731

 18.7322, 10.4279,
5.7877

 19.8016, 11.8712,
8.2887

 21.2558, 13.9207,
11.4211

 23.1284, 16.6344,
15.2251

■ 25.4493, 20.0635,
19.7375

■ 28.2456, 24.2539,
24.9924

■ 31.5422, 29.2478,
31.0216

■ 35.3623, 35.0845,
37.8550

Harmonies

Analogous

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



19.1439, 9.0116, 10.3971



17.5520, 9.0116, 2.4834



13.3862, 9.0116, 0.2283

Triad

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



17.5520, 9.0116, 2.4834



3.4376, 9.0116, 2.1066



8.3665, 9.0116, 54.2871

Complementary

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



17.5520, 9.0116, 2.4834



19.4612, 31.6940, 28.7693

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.



5.0679, 9.0116, 44.5545



17.5520, 9.0116, 2.4834



2.8449, 9.0116, 9.2494

Square

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



17.5520, 9.0116, 2.4834



5.3164, 9.0116, 0.1061



3.3297, 9.0116, 25.0897



12.9243, 9.0116, 46.1465

Rectangle

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



17.5520, 9.0116, 2.4834



10.2323, 9.0116, 0.0000



3.3297, 9.0116, 25.0897



7.0899, 9.0116, 52.9119

Sweetspot

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



17.5522, 9.0122, 2.4835



50.2934, 42.9956, 44.2163



17.6190, 8.2121, 40.1913



10.4682, 8.6501, 8.7477



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.



17.5522, 9.0122, 2.4835



31.3710, 16.1138, 4.1111



18.3335, 11.0840, 1.1740



8.0709, 8.0416, 8.6839



12.9118, 6.6273, 1.9150



0.3784, 0.1920, 0.1542

Inverse Universe

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



17.5522, 9.0122, 2.4835



31.3710, 16.1138, 4.1111



14.7497, 17.4304, 42.1218



8.0709, 8.0416, 8.6839



12.9118, 6.6273, 1.9150



0.3784, 0.1920, 0.1542

Previews

White Background



This preview shows how the XYZ color 17.5520, 9.0116, 2.4834 looks on a white background.

Color Contrast Check

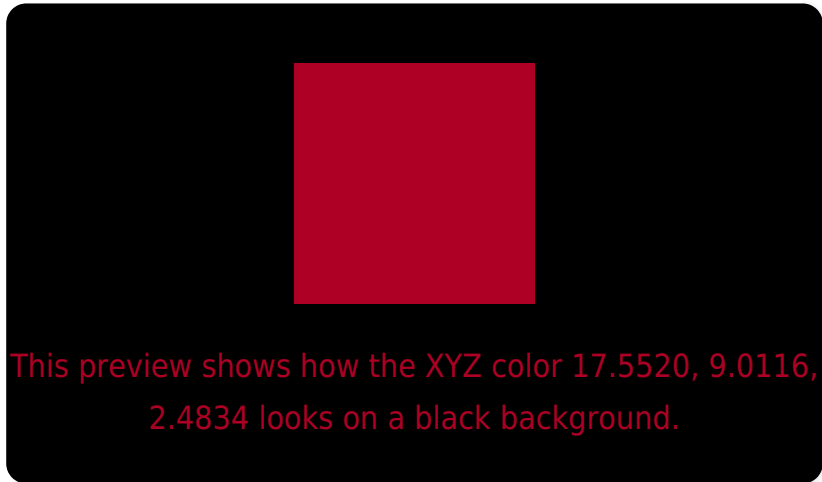
Large Text (above 18pt) WCAG AA ✓ Pass

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

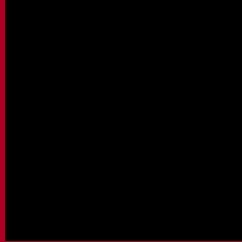
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5520, 9.0116, 2.4834

Background



This preview shows how black text looks on a background with the XYZ color 17.5520, 9.0116, 2.4834.



This preview shows how white text looks on a background with the XYZ color 17.5520, 9.0116,

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

17.5520, 9.0116, 2.4834

Protanopia

8.8986, 9.6882, 5.0154

Deuteranopia

9.6885, 9.5675, 2.2002



Tritanopia

17.4208, 9.2325, 0.9500

Trichromacy



Original Color

17.5520, 9.0116, 2.4834

Protanomaly

10.1161, 7.2527, 3.6630

Deuteranomaly

11.1556, 7.6166, 1.9808

Tritanomaly

17.4283, 9.1358, 1.2967

Monochromacy



Original Color

17.5520, 9.0116, 2.4834

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.3308, 4.1362, 3.3704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5520, 9.0116, 2.4834 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(173, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 36)  
}
```

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(173, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 36) }
```

Border

The CSS property to change the border of an element to XYZ 17.5520, 9.0116, 2.4834 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(173, 0, 36) }
```


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

```
.border{ border-color:rgb(173, 0, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 0, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5520, 9.0116, 2.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 36) }
```

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

```
.background{ background-color: rgb(173, 0,  
36) }
```

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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