

Converting Colors

XYZ(17.7114, 9.8518, 1.3613)

Have a look what the booklet for
XYZ(17.7114, 9.8518, 1.3613)
contains.

XYZ(17.7962, 9.8933, 1.3524)	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(17.7962, 9.8933,
1.3524)**

Conversions

Conversions Part 1

Format	Color
Hex	AD1F0D
RGB	173, 31, 13
RGB Percent	68%, 12%, 5%
CMY	0.3216, 0.8784, 0.9490
CMYK	0.00, 0.82, 0.92, 0.32
HSL	7°, 86%, 36%
HSV	7°, 92%, 68%
XYZ	17.7962, 9.8933, 1.3524
YIQ	71.4060, 90.4100, 24.5060

Conversions

Conversions Part 2

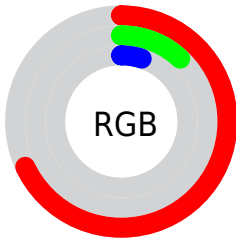
Format	Color
RYB	173, 33, 13
Decimal	11345677
CIELab	37.65, 54.79, 46.18
CIElCh	38, 71.660, 40.126
Yxy	9.8933, 0.6128, 0.3407
Android (android.graphics.Color)	4289535757 (0xFFAD1F0D)
YUV	71.4060, -28.7942, 89.0979
Hunter-Lab	31.4536, 45.9500, 19.4683

Details

The XYZ color **17.7962, 9.8933, 1.3524** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.4277, 26.5407, 43.6337**, and the grayscale version is **6.0958, 6.4133, 6.9841**.

A 20% lighter version of the original color is **39.0638, 25.4714, 7.1326**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.4744, 9.3662, 0.8869**, and if you desaturate by 10%, it is **18.4630, 10.9622, 2.3913**.

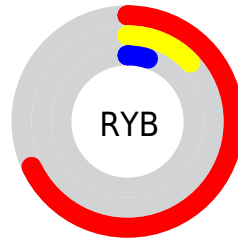
Distribution



Red (68%)

Green (12%)

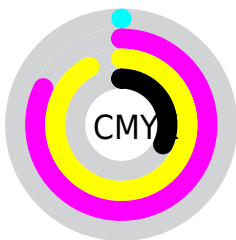
Blue (5%)



Red (68%)

Yellow (13%)

Blue (5%)

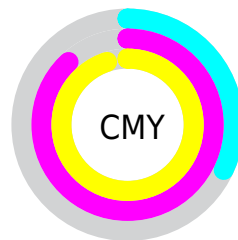


Cyan (0%)

Magenta (82%)

Yellow (92%)

Black (32%)



Cyan (32%)


Magenta (88%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7962, 9.8933, 1.3524 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 17.7962, 9.8933, 1.3524 by changing the saturation by 10% instead.


 17.7962, 9.8933,
1.3524


 17.7962, 9.8933,
1.3524


 232.7877,
189.9088, 111.3346


 10.9026, 5.3283,
0.1042


 39.2226, 25.5946,
7.1797


 6.0682, 2.4411,
0.0000


 54.4860, 37.4997,
12.8263


 2.9276, 0.8469,
0.0000

 73.2701, 52.6202,
20.8529

 1.1156, 0.0000,
0.0000

 95.9402, 71.3406,
31.6780

 0.0381, 0.0000,
0.0000

 122.8616, 94.0453,
45.7202


 0.0000, 0.0000,
0.0000

 154.3998,


121.1186, 63.3980


 190.9200,
152.9450, 85.1299


 17.7962, 9.8933,
1.3524


 17.7962, 9.8933,
1.3524


 17.4744, 9.3662,
0.8869

 18.4630, 10.9622,
2.3913

 19.4661, 12.5090,
4.1418

 20.8435, 14.5823,
6.7020

 22.6279, 17.2242,
10.1547

 24.8484, 20.4724,
14.5721

■ 27.5313, 24.3614,
20.0193

■ 30.7009, 28.9231,
26.5555

■ 34.3798, 34.1873,
34.2357

■ 38.5890, 40.1820,
43.1107

Harmonies

Analogous

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



20.9008, 9.8933, 6.9428



17.7962, 9.8933, 1.3524



12.6990, 9.8933, 0.0000

Triad

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



17.7962, 9.8933, 1.3524



3.3453, 9.8933, 4.3060



11.0255, 9.8933, 58.9909

Complementary

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



17.7962, 9.8933, 1.3524



19.4277, 26.5407, 43.6337

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.



6.7336, 9.8933, 55.6358



17.7962, 9.8933, 1.3524



3.1560, 9.8933, 15.8005

Square

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



17.7962, 9.8933, 1.3524



4.8197, 9.8933, 0.7076



4.1778, 9.8933, 36.3031



16.2371, 9.8933, 43.4931

Rectangle

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



17.7962, 9.8933, 1.3524



9.3840, 9.8933, 0.0000



4.1778, 9.8933, 36.3031



9.4226, 9.8933, 60.2106

Sweetspot

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



17.7964, 9.8939, 1.3525



51.4693, 46.7474, 40.2919



23.4631, 11.6063, 32.9016



10.6945, 9.4512, 7.7484



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.



17.7964, 9.8939, 1.3525



31.2179, 16.6179, 1.5622



22.7747, 19.8505, 3.0120



8.0752, 8.1552, 8.3619



12.8601, 6.9258, 0.6590



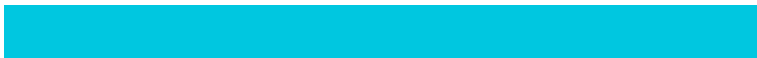
0.3803, 0.2377, 0.0258

Inverse Universe

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



19.4277, 26.5407, 43.6337



33.9636, 46.3131, 77.9550



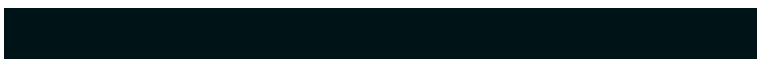
10.3626, 8.4105, 40.6120



8.1582, 8.9158, 10.2436



13.9991, 19.1321, 31.9995



0.4108, 0.5750, 0.8973

Previews

White Background



This preview shows how the XYZ color 17.7962, 9.8933, 1.3524 looks on a white background.

Color Contrast Check

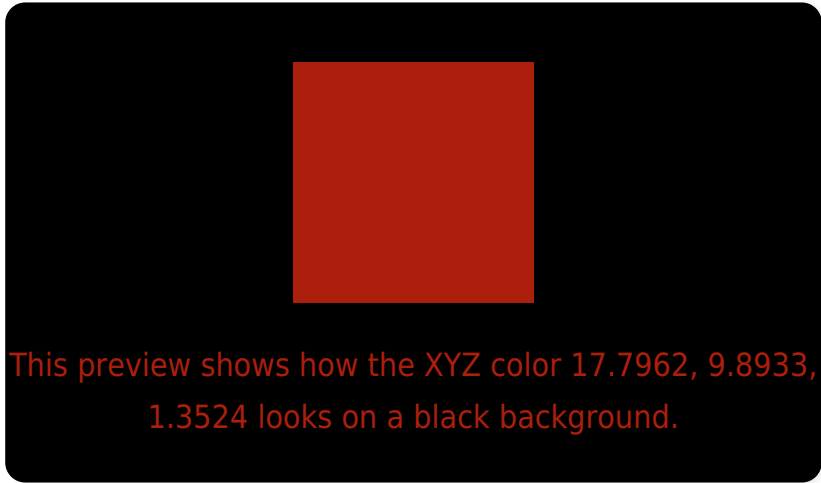
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7962, 9.8933, 1.3524

Background



This preview shows how black text looks on a background with the XYZ color 17.7962, 9.8933, 1.3524.



This preview shows how white text looks on a background with the XYZ color 17.7962, 9.8933,

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

17.7962, 9.8933, 1.3524

Protanopia

9.2208, 10.1582, 2.5116

Deuteranopia

10.2672, 10.2330, 1.4340



Tritanopia

17.9075, 9.8966, 2.0650

Trichromacy



Original Color

17.7962, 9.8933, 1.3524

Protanomaly

11.0253, 8.8262, 1.8816

Deuteranomaly

11.9673, 9.0583, 1.2613

Tritanomaly

17.8525, 9.8746, 1.7757

Monochromacy



Original Color

17.7962, 9.8933, 1.3524

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.1742, 6.2468, 3.7925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7962, 9.8933, 1.3524 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, 31, 13)` looks like.

```
.text, #text, p{  
    color:rgb(173, 31, 13)  
}
```

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, 31, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 31, 13) }
```

Border

The CSS property to change the border of an element to XYZ 17.7962, 9.8933, 1.3524 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, 31, 13) }
```


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

```
.border{ border-color:rgb(173, 31, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 31, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 31, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 31, 13);  
box-shadow:4px 4px 4px 4px rgb(173, 31,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7962, 9.8933, 1.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 31, 13) }
```

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

```
.background{ background-color: rgb(173, 31,  
13) }
```

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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