

Converting Colors

XYZ(17.5843, 9.8489, 0.9742)

Have a look what the booklet for
XYZ(17.5843, 9.8489, 0.9742)
contains.

XYZ(17.5298, 9.8037, 0.9684)	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(17.5298, 9.8037,
0.9684)**

Conversions

Conversions Part 1

Format	Color
Hex	AC2000
RGB	172, 32, 0
RGB Percent	67%, 13%, 0%
CMY	0.3255, 0.8745, 1.0000
CMYK	0.00, 0.81, 1.00, 0.33
HSL	11°, 100%, 34%
HSV	11°, 100%, 67%
XYZ	17.5298, 9.8037, 0.9684
YIQ	70.2120, 93.7120, 19.7280

Conversions

Conversions Part 2

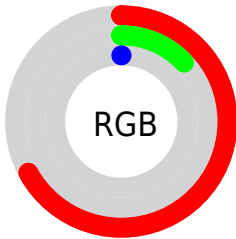
Format	Color
R_{YB}	172, 39, 0
Decimal	11280384
CIE _{Lab}	37.49, 54.06, 50.78
CIE _{LCh}	37, 74.170, 43.210
Yxy	9.8037, 0.6194, 0.3464
Android (android.graphics.Color)	4289470464 (0xFFAC2000)
YUV	70.2120, -34.6145, 89.2681
Hunter-Lab	31.3109, 45.1416, 20.0838

Details

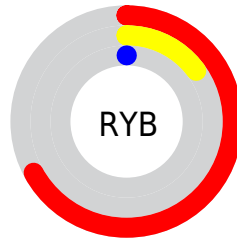
The XYZ color **17.5298, 9.8037, 0.9684** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.8228, 21.7313, 42.3374**, and the grayscale version is **5.9028, 6.2102, 6.7630**.

A 20% lighter version of the original color is **38.9307, 25.5541, 6.0125**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.5300, 9.8042, 0.9685**, and if you desaturate by 10%, it is **18.0934, 10.7666, 1.6632**.

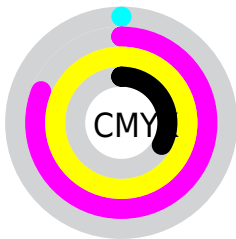
Distribution



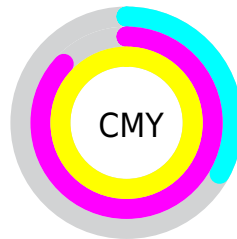
- Red (67%)
- Green (13%)
- Blue (0%)



- Red (67%)
- Yellow (15%)
- Blue (0%)



- Cyan (0%)
- Magenta (81%)
- Yellow (100%)
- Black (33%)




- Cyan (33%)
- Magenta (87%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5298, 9.8037, 0.9684 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 17.5298, 9.8037, 0.9684 by changing the saturation by 10% instead.


 17.5298, 9.8037,
0.9684


 17.5298, 9.8037,
0.9684


 231.3044,
189.2652, 103.4397


 10.7106, 5.2690,
0.0000


 38.7709, 25.4256,
5.9559


 5.9384, 2.4059,
0.0000


 53.9234, 37.2816,
11.0048


 2.8480, 0.8289,
0.0000

 72.5845, 52.3469,
18.3153

 1.0739, 0.0000,
0.0000

 95.1193, 71.0057,
28.3059


 0.0031, 0.0000,
0.0000


 121.8934, 93.6426,
41.3951


 0.0000, 0.0000,
0.0000


 153.2721,


120.6419, 58.0014


 189.6206,
152.3880, 78.5434


 17.5298, 9.8037,
0.9684


 17.5298, 9.8037,
0.9684


 17.5300, 9.8042,
0.9685

 18.0934, 10.7666,
1.6632

 18.9241, 12.1212,
2.8861

 20.0734, 13.9137,
4.8296

 21.5715, 16.1786,
7.5838

 23.4450, 18.9466,
11.2258

■ 25.7175, 22.2460,
15.8235

■ 28.4110, 26.1029,
21.4382

■ 31.5455, 30.5416,
28.1262

■ 35.1401, 35.5849,
35.9394

Harmonies

Analogous

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



21.1017, 9.8037, 5.8043



17.5298, 9.8037, 0.9684



12.1648, 9.8037, 0.0000

Triad

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



17.5298, 9.8037, 0.9684



3.0879, 9.8037, 4.8293



11.5281, 9.8037, 60.5058

Complementary

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



17.5298, 9.8037, 0.9684



16.8228, 21.7313, 42.3374

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.



6.9543, 9.8037, 59.1917



17.5298, 9.8037, 0.9684



3.0187, 9.8037, 17.7085

Square

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



17.5298, 9.8037, 0.9684



4.4174, 9.8037, 0.7394



4.1803, 9.8037, 39.8021



16.9314, 9.8037, 42.6007

Rectangle

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



17.5298, 9.8037, 0.9684



8.8235, 9.8037, 0.0000



4.1803, 9.8037, 39.8021



9.8309, 9.8037, 62.5669

Sweetspot

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



17.5300, 9.8043, 0.9685



51.2588, 46.9515, 38.2950



21.7813, 10.6779, 25.9047



10.6905, 9.5623, 7.3804



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.



17.5300, 9.8043, 0.9685



31.6842, 17.5505, 1.7176



23.4368, 21.6179, 2.9375



8.1214, 8.2476, 8.3773



13.0759, 7.3573, 0.7309



0.3986, 0.2743, 0.0319

Inverse Universe

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



16.8228, 21.7313, 42.3374



30.3674, 39.1207, 76.7563



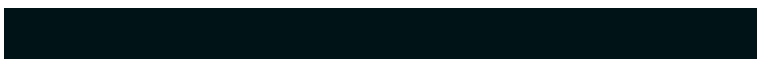
8.7874, 5.6606, 39.6589



8.1077, 8.8148, 10.2268



12.5562, 16.2462, 31.5186



0.3816, 0.5166, 0.8876

Previews

White Background



This preview shows how the XYZ color 17.5298, 9.8037, 0.9684 looks on a white background.

Color Contrast Check

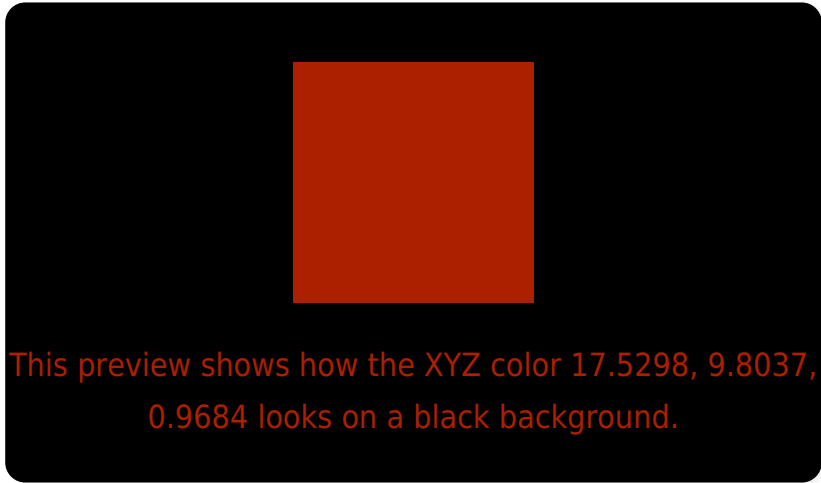
Large Text (above 18pt) WCAG AA ✓ Pass

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

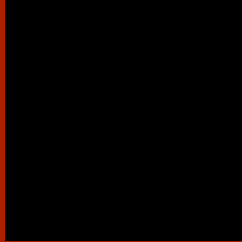
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.5298, 9.8037, 0.9684

Background



This preview shows how black text looks on a background with the XYZ color 17.5298, 9.8037, 0.9684.



This preview shows how white text looks on a background with the XYZ color 17.5298, 9.8037,

0.9684.

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

17.5298, 9.8037, 0.9684

Protanopia

9.1584, 10.1332, 2.1827

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

17.6993, 9.7879, 2.1188

Trichromacy



Original Color

17.5298, 9.8037, 0.9684

Protanomaly

10.9532, 8.7973, 1.5015

Deuteranomaly

11.7797, 8.9648, 1.1095

Tritanomaly

17.6124, 9.7943, 1.5345

Monochromacy



Original Color

17.5298, 9.8037, 0.9684

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

7.9512, 6.1436, 3.2494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5298, 9.8037, 0.9684 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(172, 32, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 32, 0)  
}
```

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(172, 32, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 32, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.5298, 9.8037, 0.9684 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(172, 32, 0) }
```


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

```
.border{ border-color:rgb(172, 32, 0) }
```

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

Here you see how a box with a 4 pixel rgb(172, 32, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 32, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 32, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 32, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5298, 9.8037, 0.9684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 32, 0) }
```

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

```
.background{ background-color: rgb(172, 32,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor