

Converting Colors

XYZ(17.8097, 9.3398, 0.9790)

Have a look what the booklet for
XYZ(17.8097, 9.3398, 0.9790)
contains.

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Color

**XYZ(17.8097, 9.3398,
0.9790)**

Conversions

Conversions Part 1

Format	Color
Hex	AF0A04
RGB	175, 10, 4
RGB Percent	69%, 4%, 2%
CMY	0.3137, 0.9607, 0.9843
CMYK	0.00, 0.94, 0.98, 0.31
HSL	2°, 96%, 35%
HSV	2°, 98%, 69%
XYZ	17.8097, 9.3398, 0.9790
YIQ	58.6510, 100.2660, 33.1140

Conversions

Conversions Part 2

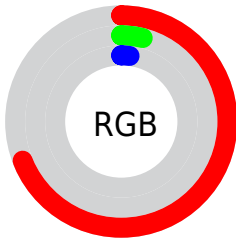
Format	Color
R_{YB}	175, 10, 4
Decimal	11471364
CIE Lab	36.63, 59.26, 49.15
CIE LCh	37, 76.993, 39.674
Yxy	9.3398, 0.6332, 0.3320
Android (android.graphics.Color)	4289661444 (0xFFAF0A04)
YUV	58.6510, -26.9429, 102.0381
Hunter-Lab	30.5611, 50.5403, 19.4935

Details

The XYZ color **17.8097, 9.3398, 0.9790** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.9709, 31.4869, 45.4768**, and the grayscale version is **4.1375, 4.3530, 4.7404**.

A 20% lighter version of the original color is **39.1816, 24.4926, 6.0306**, and **6.6821, 3.4447, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **17.7461, 9.2478, 0.8497**, and if you desaturate by 10%, it is **18.2091, 9.9498, 1.6949**.

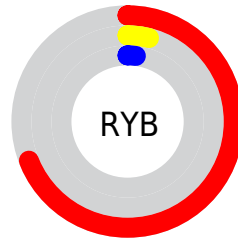
Distribution



Red (69%)

Green (4%)

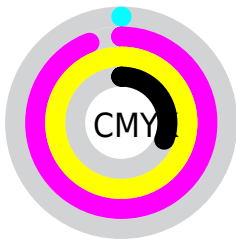
Blue (2%)



Red (69%)

Yellow (4%)

Blue (2%)

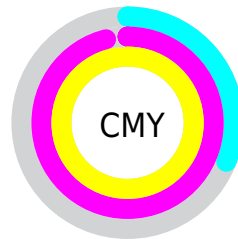


Cyan (0%)

Magenta (94%)

Yellow (98%)

Black (31%)



Cyan (31%)


Magenta (96%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8097, 9.3398, 0.9790 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 17.8097, 9.3398, 0.9790 by changing the saturation by 10% instead.


 17.8097, 9.3398,
0.9790


 17.8097, 9.3398,
0.9790


 232.8626,
185.8929, 103.6776


 10.9123, 4.9635,
0.0000


 39.2454, 24.5461,
5.9914


 6.0748, 2.2258,
0.0000


 54.5145, 36.1449,
11.0583


 2.9317, 0.7340,
0.0000

 73.3048, 50.9199,
18.3904

 1.1177, 0.0000,
0.0000

 95.9817, 69.2556,
28.4062


 0.0399, 0.0000,
0.0000


 122.9106, 91.5364,
41.5243

 0.0000, 0.0000,
0.0000

 154.4568,


118.1466, 58.1632


 190.9857,
149.4706, 78.7415


 17.8097, 9.3398,
0.9790


 17.8097, 9.3398,
0.9790


 17.7461, 9.2478,
0.8497

 18.2091, 9.9498,
1.6949

 18.9384, 11.0466,
3.0537

 20.0569, 12.7077,
5.2018

 21.6086, 14.9951,
8.2344

 23.6316, 17.9627,
12.2331

■ 26.1599, 21.6587,
17.2704

■ 29.2243, 26.1268,
23.4117

■ 32.8532, 31.4073,
30.7171

■ 37.0729, 37.5377,
39.2424

Harmonies

Analogous

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



21.1007, 9.3398, 6.4103



17.8097, 9.3398, 0.9790



12.4016, 9.3398, 0.0000

Triad

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



17.8097, 9.3398, 0.9790



2.8128, 9.3398, 3.5675



10.4843, 9.3398, 62.9815

Complementary

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



17.8097, 9.3398, 0.9790



21.9709, 31.4869, 45.4768

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.



6.0931, 9.3398, 58.8793



17.8097, 9.3398, 0.9790



2.6157, 9.3398, 15.1690

Square

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



17.8097, 9.3398, 0.9790



4.2668, 9.3398, 0.2723



3.5794, 9.3398, 37.2638



15.9882, 9.3398, 45.9379

Rectangle

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



17.8097, 9.3398, 0.9790



8.9287, 9.3398, 0.0000



3.5794, 9.3398, 37.2638



8.8259, 9.3398, 64.2296

Sweetspot

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



17.8099, 9.3404, 0.9791



51.2856, 45.2567, 39.8128



24.9122, 12.0766, 38.7018



10.8780, 9.2996, 7.8045



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.8099, 9.3404, 0.9791



31.7496, 16.4964, 1.5107



21.8114, 17.3434, 2.3130



8.0270, 8.0589, 8.3458



12.7182, 6.6419, 0.6117



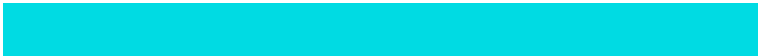
0.3610, 0.1991, 0.0194

Inverse Universe

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



21.9709, 31.4869, 45.4768



39.1771, 56.1810, 81.4160



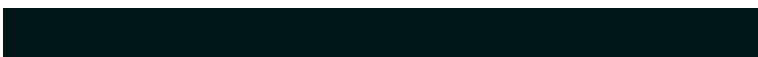
10.9428, 9.4308, 41.8008



8.2118, 9.0229, 10.2615



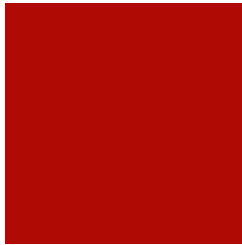
15.6893, 22.5125, 32.5629



0.4438, 0.6409, 0.9083

Previews

White Background



This preview shows how the XYZ color 17.8097, 9.3398, 0.9790 looks on a white background.

Color Contrast Check

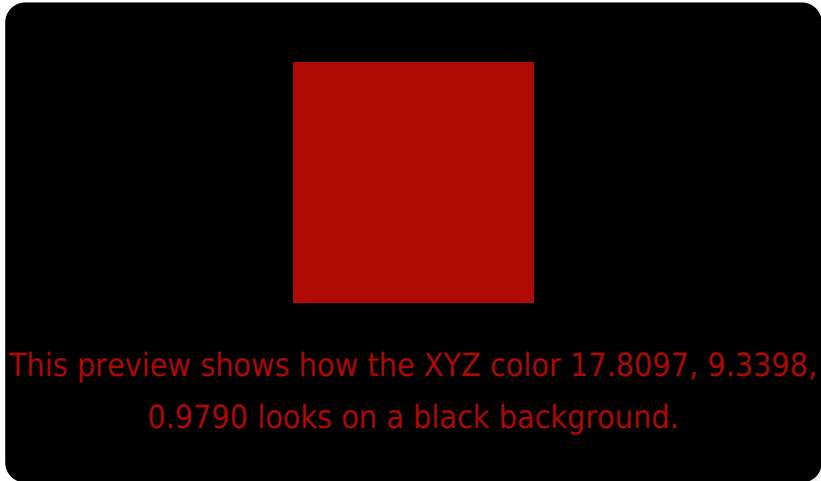
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8097, 9.3398, 0.9790

Background



This preview shows how black text looks on a background with the XYZ color 17.8097, 9.3398, 0.9790.



This preview shows how white text looks on a background with the XYZ color 17.8097, 9.3398,

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

17.8097, 9.3398, 0.9790

Protanopia

8.8726, 9.8593, 2.2460

Deuteranopia

9.8524, 9.7854, 1.3695



Tritanopia

17.6408, 9.3693, 0.8787

Trichromacy



Original Color

17.8097, 9.3398, 0.9790

Protanomaly

10.4618, 7.7812, 1.4407

Deuteranomaly

11.4603, 8.0793, 0.9842

Tritanomaly

17.6181, 9.3149, 0.8981

Monochromacy



Original Color

17.8097, 9.3398, 0.9790

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.5260, 4.4991, 2.4439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8097, 9.3398, 0.9790 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(175, 10, 4)` looks like.

```
.text, #text, p{  
    color:rgb(175, 10, 4)  
}
```

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(175, 10, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 10, 4) }
```

Border

The CSS property to change the border of an element to XYZ 17.8097, 9.3398, 0.9790 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(175, 10, 4) }
```


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

```
.border{ border-color:rgb(175, 10, 4) }
```

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

Here you see how a box with a 4 pixel rgb(175, 10, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 10, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 10, 4);  
box-shadow:4px 4px 4px 4px rgb(175, 10, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8097, 9.3398, 0.9790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 10, 4) }
```

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

```
.background{ background-color: rgb(175, 10,  
4) }
```

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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