

Converting Colors

XYZ(15.4898, 9.9449, 0.0000)

Have a look what the booklet for
XYZ(15.4898, 9.9449, 0.0000)
contains.

XYZ(15.6172, 10.0093, 1.1089)	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(15.6172, 10.0093,
1.1089)**

Conversions

Conversions Part 1

Format	Color
Hex	9F3600
RGB	159, 54, 0
RGB Percent	62%, 21%, 0%
CMY	0.3765, 0.7882, 1.0000
CMYK	0.00, 0.66, 1.00, 0.38
HSL	20°, 100%, 31%
HSV	20°, 100%, 62%
XYZ	15.6172, 10.0093, 1.1089
YIQ	79.2390, 79.9140, 5.4660

Conversions

Conversions Part 2

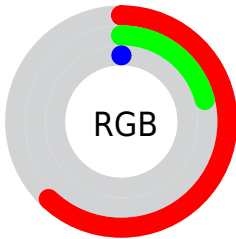
Format	Color
R_{YB}	159, 82, 0
Decimal	10434048
CIE _{Lab}	37.86, 41.71, 49.51
CIE _{LCh}	38, 64.734, 49.889
Yxy	10.0093, 0.5841, 0.3744
Android (android.graphics.Color)	4288624128 (0xFF9F3600)
YUV	79.2390, -39.0648, 69.9504
Hunter-Lab	31.6375, 32.7473, 20.0681

Details

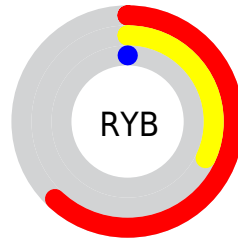
The XYZ color **15.6172, 10.0093, 1.1089** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.3089, 12.6051, 34.6374**, and the grayscale version is **7.5404, 7.9331, 8.6392**.

A 20% lighter version of the original color is **35.5927, 25.9282, 6.3775**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **15.6173, 10.0097, 1.1089**, and if you desaturate by 10%, it is **16.2528, 11.1322, 1.7785**.

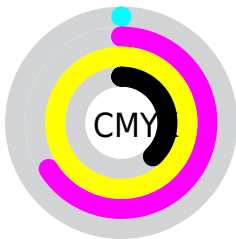
Distribution



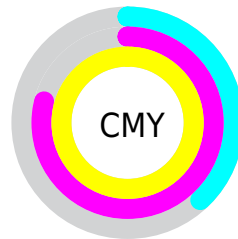
- Red (62%)
- Green (21%)
- Blue (0%)



- Red (62%)
- Yellow (32%)
- Blue (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (100%)
- Black (38%)





- Cyan (38%)
- Magenta (79%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6172, 10.0093, 1.1089 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 15.6172, 10.0093, 1.1089 by changing the saturation by 10% instead.


 15.6172, 10.0093,
1.1089


 15.6172, 10.0093,
1.1089


 220.3873,
190.7384, 106.4905


 9.3428, 5.4051,
0.0000


 35.4952, 25.8130,
6.4178


 5.0243, 2.4869,
0.0000

 49.8295, 37.7813,
11.6972


 2.2965, 0.8701,
0.0000

 67.5812, 52.9731,
19.2846

 0.7929, 0.0000,
0.0000


 89.1156, 71.7728,
29.5985


 0.0000, 0.0000,
0.0000


 114.7980, 94.5648,
43.0575


 144.9939,


121.7335, 60.0802


 180.0685,
153.6632, 81.0850


 15.6172, 10.0093,
1.1089


 15.6172, 10.0093,
1.1089


 15.6173, 10.0097,
1.1089

 16.2528, 11.1322,
1.7785

 17.0724, 12.5071,
2.8668

 18.1137, 14.1587,
4.5424

 19.3953, 16.1031,
6.8774

 20.9337, 18.3550,
9.9329

■ 22.7435, 20.9278,
13.7634

■ 24.8383, 23.8342,
18.4176

■ 27.2306, 27.0860,
23.9407

■ 29.9323, 30.6946,
30.3742

Harmonies

Analogous

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



19.1311, 10.0093, 4.8380



15.6172, 10.0093, 1.1089



10.9802, 10.0093, 0.1080

Triad

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



15.6172, 10.0093, 1.1089



3.6327, 10.0093, 7.3668



12.4860, 10.0093, 49.4512

Complementary

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



15.6172, 10.0093, 1.1089



11.3089, 12.6051, 34.6374

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.



8.1837, 10.0093, 52.2586



15.6172, 10.0093, 1.1089



3.8206, 10.0093, 20.6367

Square

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



15.6172, 10.0093, 1.1089



4.6327, 10.0093, 1.8219



5.2522, 10.0093, 39.2752



16.9904, 10.0093, 33.1653

Rectangle

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



15.6172, 10.0093, 1.1089



8.2112, 10.0093, 0.1050



5.2522, 10.0093, 39.2752



10.9468, 10.0093, 52.3022

Sweetspot

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



15.6174, 10.0099, 1.1091



44.2549, 42.3711, 32.4665



16.8994, 8.4115, 14.3686



9.6299, 9.0732, 6.5401



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.6174, 10.0099, 1.1091



27.8066, 17.6007, 1.9317



22.6171, 24.0092, 3.4423



6.8080, 6.9961, 6.9772



12.3708, 7.9771, 0.8877



0.2583, 0.2169, 0.0283

Inverse Universe

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



11.3089, 12.6051, 34.6374



20.0671, 22.2022, 61.9712



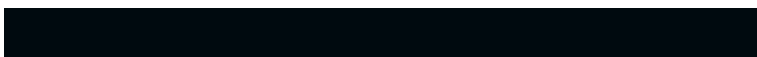
6.6386, 3.2644, 33.0806



6.6319, 7.1296, 8.4333



8.9719, 10.0353, 27.3714



0.1980, 0.2547, 0.5019

Previews

White Background



This preview shows how the XYZ color 15.6172, 10.0093, 1.1089 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 ✓ Pass

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 15.6172, 10.0093, 1.1089

Background



This preview shows how black text looks on a background with the XYZ color 15.6172, 10.0093, 1.1089.



This preview shows how white text looks on a background with the XYZ color 15.6172, 10.0093,

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

15.6172, 10.0093, 1.1089

Protanopia

9.2368, 10.1776, 2.0079

Deuteranopia

10.2672, 10.2330, 1.4340



Tritanopia

16.2804, 10.0118, 4.4426

Trichromacy



Original Color

15.6172, 10.0093, 1.1089

Protanomaly

10.8827, 9.5429, 1.5850

Deuteranomaly

11.6547, 9.6434, 1.2471

Tritanomaly

15.9698, 9.9567, 2.5935

Monochromacy



Original Color

15.6172, 10.0093, 1.1089

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.9502, 7.7988, 4.0512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6172, 10.0093, 1.1089 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(159, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 54, 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(159, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 54, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6172, 10.0093, 1.1089 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(159, 54, 0) }
```


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

```
.border{ border-color:rgb(159, 54, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 54, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 54, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6172, 10.0093, 1.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 54, 0) }
```

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

```
.background{ background-color: rgb(159, 54,  
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](#).

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