

Converting Colors

XYZ(15.2280, 9.9574, 0.6550)

Have a look what the booklet for
XYZ(15.2280, 9.9574, 0.6550)
contains.

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Color

**XYZ(15.3188, 9.9964,
1.1221)**

Conversions

Conversions Part 1

Format	Color
Hex	9D3800
RGB	157, 56, 0
RGB Percent	62%, 22%, 0%
CMY	0.3843, 0.7804, 1.0000
CMYK	0.00, 0.64, 1.00, 0.38
HSL	21°, 100%, 31%
HSV	21°, 100%, 62%
XYZ	15.3188, 9.9964, 1.1221
YIQ	79.8150, 78.1720, 3.9960

Conversions

Conversions Part 2

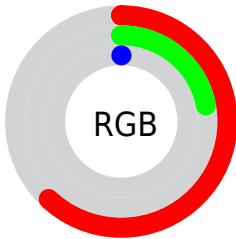
Format	Color
R_{YB}	157, 87, 0
Decimal	10303488
CIE _{Lab}	37.84, 40.05, 49.30
CIE _{LCh}	38, 63.516, 50.909
Yxy	9.9964, 0.5794, 0.3781
Android (android.graphics.Color)	4288493568 (0xFF9D3800)
YUV	79.8150, -39.3488, 67.6912
Hunter-Lab	31.6171, 31.1552, 20.0277

Details

The XYZ color **15.3188, 9.9964, 1.1221** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.7390, 11.7408, 33.5983**, and the grayscale version is **7.6529, 8.0514, 8.7680**.

A 20% lighter version of the original color is **35.1137, 25.8325, 6.5036**, and **4.9298, 2.5414, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **15.3190, 9.9969, 1.1222**, and if you desaturate by 10%, it is **15.9502, 11.1133, 1.7830**.

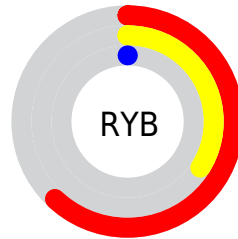
Distribution



Red (62%)

Green (22%)

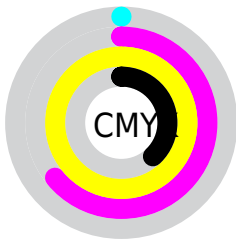
Blue (0%)



Red (62%)

Yellow (34%)

Blue (0%)

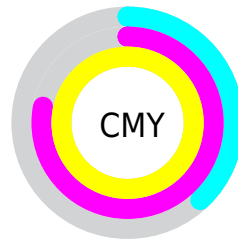


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3188, 9.9964, 1.1221 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 15.3188, 9.9964, 1.1221 by changing the saturation by 10% instead.


 15.3188, 9.9964,
1.1221


 15.3188, 9.9964,
1.1221


 218.6381,
190.6464, 106.7664


 9.1312, 5.3966,
0.0000


 34.9786, 25.7887,
6.4603


 4.8847, 2.4818,
0.0000

 49.1815, 37.7500,
11.7606

 2.2138, 0.8675,
0.0000

 66.7868, 52.9339,
19.3730

 0.7500, 0.0000,
0.0000

 88.1600, 71.7248,
29.7161


 0.0000, 0.0000,
0.0000


 113.6664, 94.5071,
43.2085


 143.6713,


121.6652, 60.2686


 178.5401,
153.5835, 81.3151


 15.3188, 9.9964,
1.1221


 15.3188, 9.9964,
1.1221


 15.3190, 9.9969,
1.1222

 15.9502, 11.1133,
1.7830

 16.7558, 12.4663,
2.8474

 17.7718, 14.0784,
4.4808

 19.0160, 15.9643,
6.7528

 20.5038, 18.1374,
9.7226

■ 22.2491, 20.6100,
13.4426

■ 24.2646, 23.3936,
17.9603

■ 26.5623, 26.4991,
23.3189

■ 29.1531, 29.9368,
29.5589

Harmonies

Analogous

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



18.8118, 9.9964, 4.6991



15.3188, 9.9964, 1.1221



10.7881, 9.9964, 0.1759

Triad

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



15.3188, 9.9964, 1.1221



3.6920, 9.9964, 7.7218



12.5665, 9.9964, 47.9427

Complementary

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



15.3188, 9.9964, 1.1221



10.7390, 11.7408, 33.5983

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.



8.3210, 9.9964, 51.2137



15.3188, 9.9964, 1.1221



3.9178, 9.9964, 20.9644

Square

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



15.3188, 9.9964, 1.1221



4.6412, 9.9964, 2.0000



5.3819, 9.9964, 39.0677



16.9342, 9.9964, 31.9274

Rectangle

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



15.3188, 9.9964, 1.1221



8.1000, 9.9964, 0.2004



5.3819, 9.9964, 39.0677



11.0555, 9.9964, 50.8690

Sweetspot

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



15.3190, 9.9970, 1.1223



43.2333, 41.5919, 31.6566



16.3053, 8.1284, 13.2930



9.1931, 8.7124, 6.2408



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.3190, 9.9970, 1.1223



27.2694, 17.5724, 1.9546



22.3538, 24.0666, 3.4672



6.8170, 7.0141, 6.9802



12.4743, 8.1842, 0.9222



0.2612, 0.2226, 0.0292

Inverse Universe

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



10.7390, 11.7408, 33.5983



19.0462, 20.6539, 60.1095



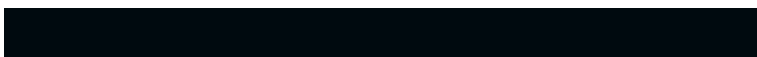
6.4032, 3.0692, 32.1530



6.6226, 7.1110, 8.4302



8.7578, 9.6072, 27.3000



0.1952, 0.2490, 0.5010

Previews

White Background



This preview shows how the XYZ color 15.3188, 9.9964, 1.1221 looks on a white background.

Color Contrast Check

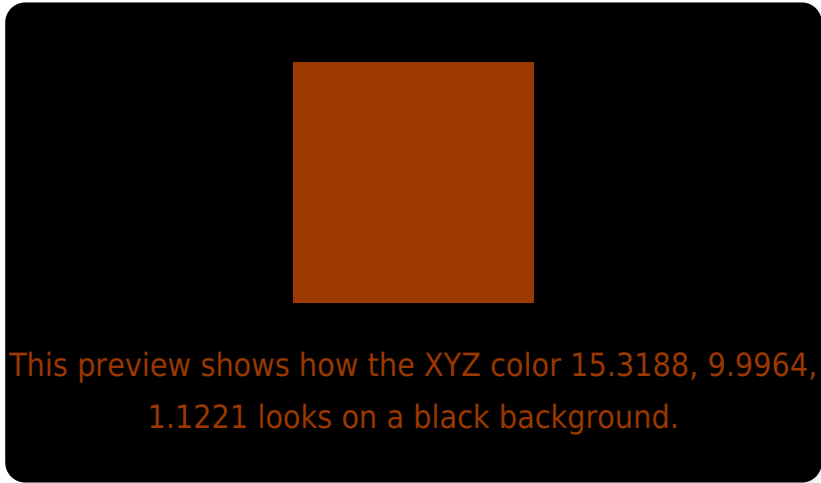
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3188, 9.9964, 1.1221

Background



This preview shows how black text looks on a background with the XYZ color 15.3188, 9.9964, 1.1221.



This preview shows how white text looks on a background with the XYZ color 15.3188, 9.9964,

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

15.3188, 9.9964, 1.1221

Protanopia

9.2292, 10.1745, 1.9677

Deuteranopia

10.2672, 10.2330, 1.4340



Tritanopia

16.0181, 10.0009, 4.7006

Trichromacy



Original Color

15.3188, 9.9964, 1.1221

Protanomaly

10.8052, 9.6083, 1.5722

Deuteranomaly

11.7220, 9.7780, 1.2695

Tritanomaly

15.6770, 9.9367, 2.6818

Monochromacy



Original Color

15.3188, 9.9964, 1.1221

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.0351, 7.9336, 4.1871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3188, 9.9964, 1.1221 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(157, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 56, 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(157, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 56, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.3188, 9.9964, 1.1221 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(157, 56, 0) }
```


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

```
.border{ border-color:rgb(157, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(157, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 56, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3188, 9.9964, 1.1221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 56, 0) }
```

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

```
.background{ background-color: rgb(157, 56,  
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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