

Converting Colors

XYZ(15.7840, 8.8158, 0.0000)

Have a look what the booklet for
XYZ(15.7840, 8.8158, 0.0000)
contains.

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Color

**XYZ(15.9564, 8.8781,
0.8726)**

Conversions

Conversions Part 1

Format	Color
Hex	A51D00
RGB	165, 29, 0
RGB Percent	65%, 11%, 0%
CMY	0.3529, 0.8862, 1.0000
CMYK	0.00, 0.82, 1.00, 0.35
HSL	11°, 100%, 32%
HSV	11°, 100%, 65%
XYZ	15.9564, 8.8781, 0.8726
YIQ	66.3580, 90.3650, 19.8130

Conversions

Conversions Part 2

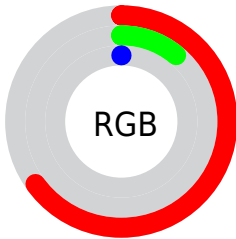
Format	Color
RYB	165, 35, 0
Decimal	10820864
CIELab	35.75, 52.77, 49.15
CIELCh	36, 72.118, 42.967
Yxy	8.8781, 0.6207, 0.3454
Android (android.graphics.Color)	4289010944 (0xFFA51D00)
YUV	66.3580, -32.7145, 86.5090
Hunter-Lab	29.7961, 43.4469, 19.1210

Details

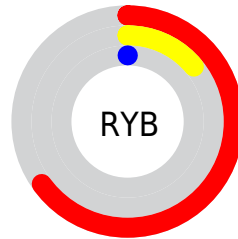
The XYZ color **15.9564, 8.8781, 0.8726** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.5936, 20.3208, 38.6974**, and the grayscale version is **5.2748, 5.5495, 6.0434**.

A 20% lighter version of the original color is **36.0604, 23.7037, 5.6923**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.9566, 8.8787, 0.8727**, and if you desaturate by 10%, it is **16.4640, 9.7379, 1.5219**.

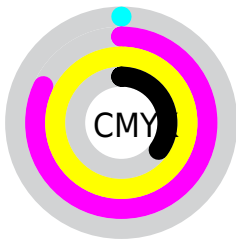
Distribution



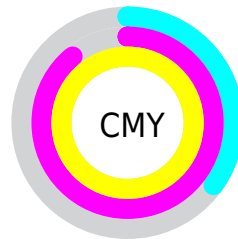
- Red (65%)
- Green (11%)
- Blue (0%)



- Red (65%)
- Yellow (14%)
- Blue (0%)



- Cyan (0%)
- Magenta (82%)
- Yellow (100%)
- Black (35%)




- Cyan (35%)
- Magenta (89%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9564, 8.8781, 0.8726 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 15.9564, 8.8781, 0.8726 by changing the saturation by 10% instead.


 15.9564, 8.8781,
0.8726


 15.9564, 8.8781,
0.8726


 222.3598,
182.4659, 101.2920


 9.5840, 4.6618,
0.0000


 36.0806, 23.6627,
5.6392


 5.1841, 2.0502,
0.0000

 50.5630, 34.9998,
10.5263


 2.3916, 0.6364,
0.0000

 68.4794, 49.4793,
17.6418

 0.8409, 0.0000,
0.0000


 90.1953, 67.4855,
27.4040


 0.0000, 0.0000,
0.0000

 116.0759, 89.4029,
40.2317


 146.4866,

115.6158, 56.5432


 181.7928,
146.5087, 76.7571


 15.9564, 8.8781,
0.8726


 15.9564, 8.8781,
0.8726


 15.9566, 8.8787,
0.8727

 16.4640, 9.7379,
1.5219

 17.2158, 10.9579,
2.6465

 18.2601, 12.5818,
4.4274

 19.6248, 14.6417,
6.9460

 21.3343, 17.1667,
10.2717

■ 23.4104, 20.1830,
14.4661

■ 25.8734, 23.7150,
19.5845

■ 28.7418, 27.7854,
25.6778

■ 32.0330, 32.4156,
32.7931

Harmonies

Analogous

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



19.1916, 8.8781, 5.3031



15.9564, 8.8781, 0.8726



11.0701, 8.8781, 0.0000

Triad

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



15.9564, 8.8781, 0.8726



2.7825, 8.8781, 4.2978



10.4115, 8.8781, 55.2279

Complementary

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



15.9564, 8.8781, 0.8726



15.5936, 20.3208, 38.6974

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.



6.2607, 8.8781, 53.8637



15.9564, 8.8781, 0.8726



2.7113, 8.8781, 15.9384

Square

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



15.9564, 8.8781, 0.8726



3.9988, 8.8781, 0.6197



3.7543, 8.8781, 36.0621



15.3367, 8.8781, 38.9653

Rectangle

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



15.9564, 8.8781, 0.8726



8.0217, 8.8781, 0.0000



3.7543, 8.8781, 36.0621



8.8692, 8.8781, 57.0577

Sweetspot

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



15.9566, 8.8787, 0.8727



46.0769, 42.0999, 34.5264



20.0682, 9.8198, 24.6928



9.6736, 8.6322, 6.7126



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.9566, 8.8787, 0.8727



28.4724, 15.6912, 1.5280



21.0928, 19.1510, 2.5848



7.1698, 7.2780, 7.4070



12.0985, 6.7710, 0.6693



0.2807, 0.1953, 0.0229

Inverse Universe

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



15.5936, 20.3208, 38.6974



27.7935, 36.1260, 69.2605



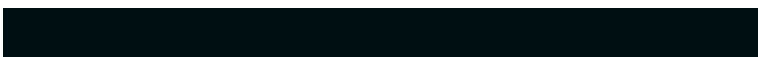
8.1576, 5.4489, 36.2187



7.1697, 7.7984, 9.0304



11.8293, 15.4380, 29.2861



0.2747, 0.3767, 0.6241

Previews

White Background



This preview shows how the XYZ color 15.9564, 8.8781, 0.8726 looks on a white background.

Color Contrast Check

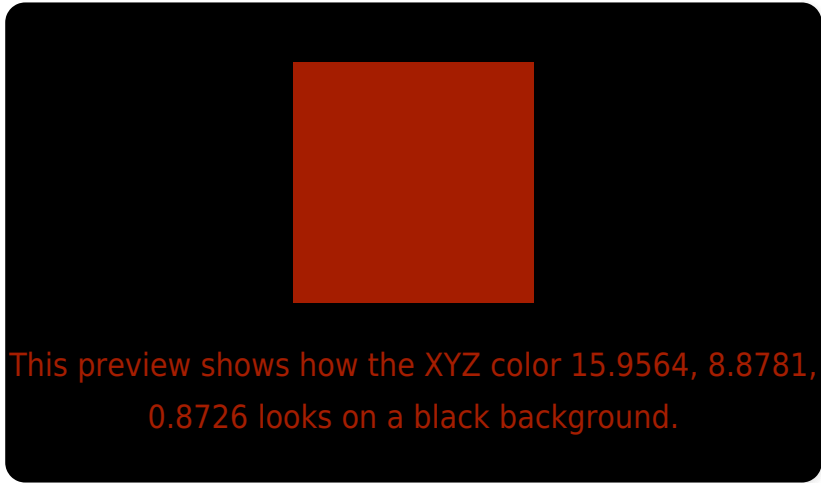
Large Text (above 18pt) WCAG AA ✓ Pass

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

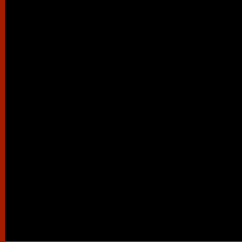
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9564, 8.8781, 0.8726

Background



This preview shows how black text looks on a background with the XYZ color 15.9564, 8.8781, 0.8726.



This preview shows how white text looks on a background with the XYZ color 15.9564, 8.8781,

0.8726.

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

15.9564, 8.8781, 0.8726

Protanopia

8.2779, 9.1929, 1.9999

Deuteranopia

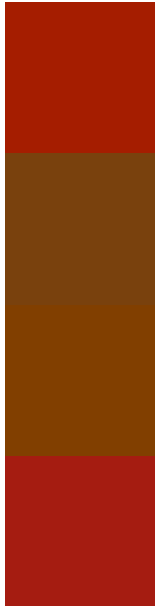
9.2016, 9.2227, 1.2952



Tritanopia

16.0954, 8.8578, 1.8387

Trichromacy



Original Color

15.9564, 8.8781, 0.8726

Protanomaly

9.8481, 7.8746, 1.3817

Deuteranomaly

10.8308, 8.2221, 1.0162

Tritanomaly

16.0335, 8.8703, 1.3974

Monochromacy



Original Color

15.9564, 8.8781, 0.8726

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.1705, 5.5382, 2.8815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9564, 8.8781, 0.8726 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(165, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 29, 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(165, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 29, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.9564, 8.8781, 0.8726 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(165, 29, 0) }
```


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

```
.border{ border-color:rgb(165, 29, 0) }
```

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

Here you see how a box with a 4 pixel rgb(165, 29, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 29, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 29, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 29, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9564, 8.8781, 0.8726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 29, 0) }
```

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

```
.background{ background-color: rgb(165, 29,  
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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