

Converting Colors

XYZ(15.5706, 7.9968, 2.0894)

Have a look what the booklet for
XYZ(15.5706, 7.9968, 2.0894)
contains.

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Color

**XYZ(15.5706, 7.9968,
2.0894)**

Conversions

Conversions Part 1

Format	Color
Hex	A40020
RGB	164, 0, 32
RGB Percent	64%, 0%, 13%
CMY	0.3569, 0.9999, 0.8745
CMYK	0.00, 1.00, 0.80, 0.36
HSL	348°, 100%, 32%
HSV	348°, 100%, 64%
XYZ	15.5706, 7.9968, 2.0894
YIQ	52.6840, 87.4720, 44.7200

Conversions

Conversions Part 2

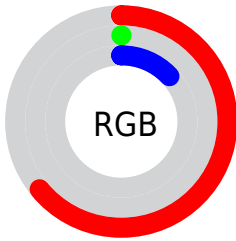
Format	Color
RYB	164, 0, 32
Decimal	10747936
CIELab	33.98, 58.17, 32.62
CIELCh	34, 66.693, 29.283
Yxy	7.9968, 0.6069, 0.3117
Android (android.graphics.Color)	4288938016 (0xFFA40020)
YUV	52.6840, -10.1972, 97.6241
Hunter-Lab	28.2786, 48.7970, 15.4143

Details

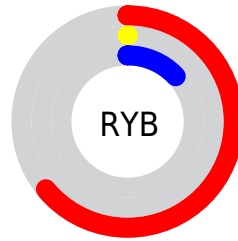
The XYZ color **15.5706, 7.9968, 2.0894** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **17.4422, 28.2176, 26.3656**, and the grayscale version is **3.3518, 3.5264, 3.8402**.

A 20% lighter version of the original color is **35.2530, 21.8594, 9.1987**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.5702, 7.9967, 2.0880**, and if you desaturate by 10%, it is **15.9790, 8.4668, 3.2952**.

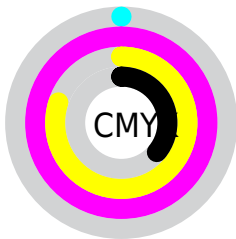
Distribution



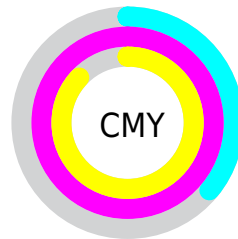
- Red (64%)
- Green (0%)
- Blue (13%)



- Red (64%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5706, 7.9968, 2.0894 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 15.5706, 7.9968, 2.0894 by changing the saturation by 10% instead.


 15.5706, 7.9968,
2.0894


 15.5706, 7.9968,
2.0894


220.1150,
175.7069, 123.7499


 9.3097, 4.0929,
0.6094


 35.4146, 21.9522,
9.2838


 5.0025, 1.7257,
0.0000

 49.7285, 32.7724,
15.8771


 2.2835, 0.4402,
0.0000

 67.4574, 46.6669,
25.0258

 0.7862, 0.0000,
0.0000


 88.9667, 64.0201,
37.1485


 0.0000, 0.0000,
0.0000


 114.6217, 85.2162,
52.6637


 144.7879,


110.6398, 71.9900


 179.8305,
140.6753, 95.5459


 15.5706, 7.9968,
2.0894


 15.5706, 7.9968,
2.0894


 15.5702, 7.9967,
2.0880

 15.9790, 8.4668,
3.2952

 16.6228, 9.2801,
4.9723

 17.5744, 10.5707,
7.1779

 18.8682, 12.3980,
9.9530

 20.5340, 14.8128,
13.3347

■ 22.5982, 17.8599,
17.3565

■ 25.0849, 21.5797,
22.0495

■ 28.0160, 26.0094,
27.4429

■ 31.4120, 31.1832,
33.5640

Harmonies

Analogous

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



17.0706, 7.9968, 8.9626



15.5706, 7.9968, 2.0894



11.8071, 7.9968, 0.0870

Triad

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



15.5706, 7.9968, 2.0894



3.0037, 7.9968, 1.9247



7.5127, 7.9968, 48.6066

Complementary

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



15.5706, 7.9968, 2.0894



17.4422, 28.2176, 26.3656

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.



4.5349, 7.9968, 40.2200



15.5706, 7.9968, 2.0894



2.5015, 7.9968, 8.4566

Square

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



15.5706, 7.9968, 2.0894



4.6442, 7.9968, 0.0286



2.9563, 7.9968, 22.8127



11.6030, 7.9968, 40.9257

Rectangle

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



15.5706, 7.9968, 2.0894



8.9905, 7.9968, 0.0000



2.9563, 7.9968, 22.8127



6.3621, 7.9968, 47.5102

Sweetspot

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



15.5708, 7.9973, 2.0895



45.2503, 38.7452, 39.4960



16.0929, 7.5225, 35.7256



9.4823, 7.8550, 7.8653



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.



15.5708, 7.9973, 2.0895



28.2038, 14.4918, 3.4796



16.4173, 10.1074, 1.0863



7.1276, 7.1075, 7.6584



11.9526, 6.1371, 1.6749



0.2657, 0.1348, 0.1120

Inverse Universe

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



15.5708, 7.9973, 2.0895



28.2038, 14.4918, 3.4796



12.8099, 14.8980, 37.3223



7.1276, 7.1075, 7.6584



11.9526, 6.1371, 1.6749



0.2657, 0.1348, 0.1120

Previews

White Background



This preview shows how the XYZ color 15.5706, 7.9968, 2.0894 looks on a white background.

Color Contrast Check

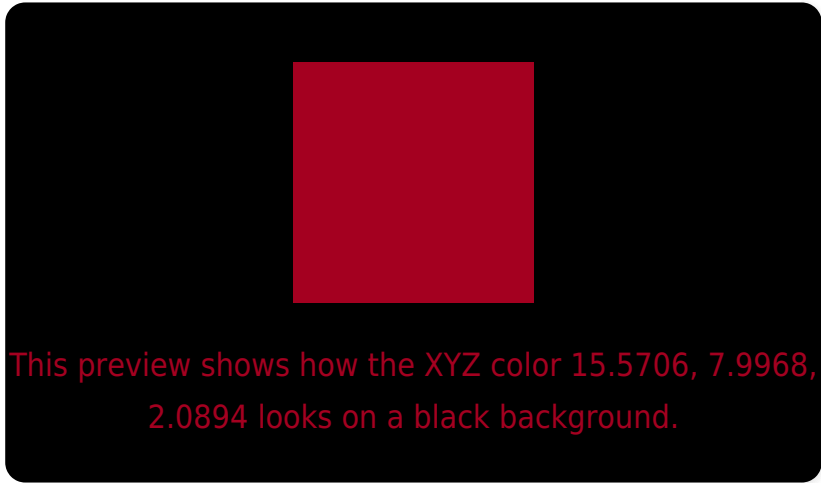
Large Text (above 18pt) WCAG AA ✓ Pass

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

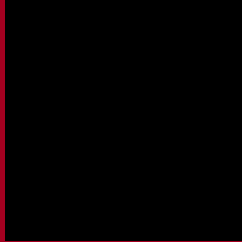
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5706, 7.9968, 2.0894

Background



This preview shows how black text looks on a background with the XYZ color 15.5706, 7.9968, 2.0894.



This preview shows how white text looks on a background with the XYZ color 15.5706, 7.9968,

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

15.5706, 7.9968, 2.0894

Protanopia

7.9834, 8.6409, 4.2647

Deuteranopia

8.7392, 8.6422, 1.8236



Tritanopia

15.4669, 8.2066, 0.7688

Trichromacy



Original Color

15.5706, 7.9968, 2.0894

Protanomaly

9.1804, 6.5722, 3.0702

Deuteranomaly

9.9097, 6.7828, 1.6511

Tritanomaly

15.4739, 8.1144, 1.0985

Monochromacy



Original Color

15.5706, 7.9968, 2.0894

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5599, 3.6607, 2.8962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5706, 7.9968, 2.0894 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(164, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 32)  
}
```

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(164, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 32) }
```

Border

The CSS property to change the border of an element to XYZ 15.5706, 7.9968, 2.0894 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(164, 0, 32) }
```


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

```
.border{ border-color:rgb(164, 0, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 0, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(164, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5706, 7.9968, 2.0894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 32) }
```

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

```
.background{ background-color: rgb(164, 0,  
32) }
```

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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