

Converting Colors

XYZ(16.5000, 8.9416, 2.1686)

Have a look what the booklet for
XYZ(16.5000, 8.9416, 2.1686)
contains.

XYZ(16.4901, 8.9272, 2.1503)	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(16.4901, 8.9272,
2.1503)**

Conversions

Conversions Part 1

Format	Color
Hex	A7171F
RGB	167, 23, 31
RGB Percent	65%, 9%, 12%
CMY	0.3451, 0.9097, 0.8784
CMYK	0.00, 0.86, 0.81, 0.35
HSL	357°, 76%, 37%
HSV	357°, 86%, 65%
XYZ	16.4901, 8.9272, 2.1503
YIQ	66.9680, 83.2560, 33.0160

Conversions

Conversions Part 2

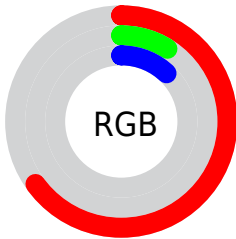
Format	Color
R_{YB}	167, 23, 31
Decimal	10950431
CIE Lab	35.84, 55.40, 35.33
CIE LCh	36, 65.707, 32.522
Yxy	8.9272, 0.5982, 0.3238
Android (android.graphics.Color)	4289140511 (0xFFA7171F)
YUV	66.9680, -17.7322, 87.7281
Hunter-Lab	29.8784, 46.2281, 16.6479

Details

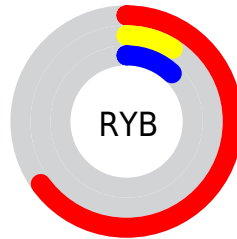
The XYZ color **16.4901, 8.9272, 2.1503** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.4316, 30.3233, 37.5835**, and the grayscale version is **5.3490, 5.6276, 6.1284**.

A 20% lighter version of the original color is **36.8661, 23.6768, 9.4645**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.0927, 8.3877, 1.2312**, and if you desaturate by 10%, it is **17.1940, 9.9173, 3.6735**.

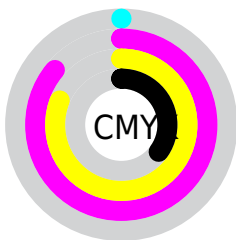
Distribution



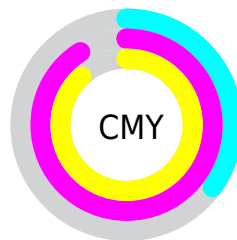
- Red (65%)
- Green (9%)
- Blue (12%)



- Red (65%)
- Yellow (9%)
- Blue (12%)



- Cyan (0%)
- Magenta (86%)
- Yellow (81%)
- Black (35%)




- Cyan (35%)
- Magenta (91%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4901, 8.9272, 2.1503 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 16.4901, 8.9272, 2.1503 by changing the saturation by 10% instead.


 16.4901, 8.9272,
2.1503


 16.4901, 8.9272,
2.1503

225.4306,
182.8339, 124.6686


 9.9647, 4.6937,
0.6455


 36.9976, 23.7571,
9.4478


 5.4376, 2.0687,
0.0000

 51.7104, 35.1223,
16.1114


 2.5436, 0.6469,
0.0000

 69.8829, 49.6335,
25.3429

 0.9173, 0.0000,
0.0000

 91.8807, 67.6751,
37.5609


 0.0000, 0.0000,
0.0000

 118.0690, 89.6316,
53.1839


 148.8131,


115.8873, 72.6306


 184.4786,
146.8266, 96.3193


 16.4901, 8.9272,
2.1503


 16.4901, 8.9272,
2.1503


 16.0927, 8.3877,
1.2312


 17.1940, 9.9173,
3.6735

 15.9870, 8.2358,
1.0130

 18.2552, 11.4380,
5.8822

 19.7131, 13.5503,
8.8448

 21.6015, 16.3064,
12.6210

 23.9508, 19.7528,
17.2648

■ 26.7887, 23.9318,
22.8254

■ 30.1406, 28.8821,
29.3483

■ 34.0302, 34.6399,
36.8761

■ 38.4795, 41.2390,
45.4488

Harmonies

Analogous

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



18.3742, 8.9272, 8.8071



16.4901, 8.9272, 2.1503



12.4283, 8.9272, 0.2450

Triad

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



16.4901, 8.9272, 2.1503



3.4263, 8.9272, 2.8050



8.8187, 8.9272, 50.7121

Complementary

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



16.4901, 8.9272, 2.1503



20.4316, 30.3233, 37.5835

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.



5.4789, 8.9272, 43.8368



16.4901, 8.9272, 2.1503



2.9890, 8.9272, 10.6943

Square

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



16.4901, 8.9272, 2.1503



5.0636, 8.9272, 0.4472



3.6094, 8.9272, 26.3991



13.1787, 8.9272, 41.3121

Rectangle

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



16.4901, 8.9272, 2.1503



9.4969, 8.9272, 0.0000



3.6094, 8.9272, 26.3991



7.5477, 8.9272, 50.2277

Sweetspot

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



16.4903, 8.9278, 2.1504



47.8380, 42.6553, 40.6073



21.2646, 10.6118, 37.4866



10.3068, 8.9581, 8.3081



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.4903, 8.9278, 2.1504



28.6075, 14.7400, 1.6858



19.3718, 14.8388, 2.6545



7.5474, 7.5488, 7.9336



12.2396, 6.3046, 0.8073



0.3029, 0.1554, 0.0465

Inverse Universe

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



16.4903, 8.9278, 2.1504



28.6075, 14.7400, 1.6858



12.3403, 12.9954, 38.4170



7.5474, 7.5488, 7.9336



12.2396, 6.3046, 0.8073



0.3029, 0.1554, 0.0465

Previews

White Background



This preview shows how the XYZ color 16.4901, 8.9272, 2.1503 looks on a white background.

Color Contrast Check

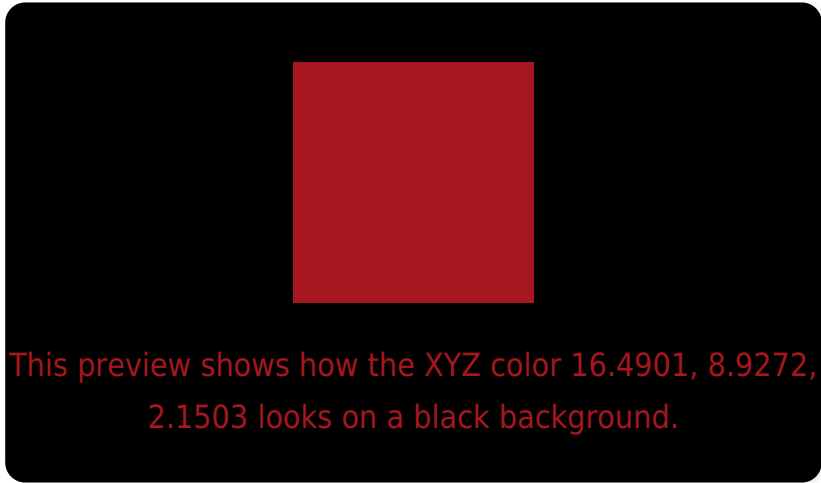
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4901, 8.9272, 2.1503

Background



This preview shows how black text looks on a background with the XYZ color 16.4901, 8.9272, 2.1503.



This preview shows how white text looks on a background with the XYZ color 16.4901, 8.9272,

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

16.4901, 8.9272, 2.1503

Protanopia

8.5602, 9.2937, 4.0320

Deuteranopia

9.3028, 9.2632, 1.8280



Tritanopia

16.4288, 8.9687, 1.6243

Trichromacy



Original Color

16.4901, 8.9272, 2.1503

Protanomaly

10.0629, 7.7801, 3.0691

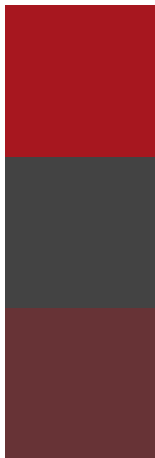
Deuteranomaly

10.8668, 8.0625, 1.7425

Tritanomaly

16.4385, 8.9389, 1.7787

Monochromacy



Original Color

16.4901, 8.9272, 2.1503

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.4432, 5.5176, 4.1627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4901, 8.9272, 2.1503 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(167, 23, 31)` looks like.

```
.text, #text, p{  
    color:rgb(167, 23, 31)  
}
```

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(167, 23, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 23, 31) }
```

Border

The CSS property to change the border of an element to XYZ 16.4901, 8.9272, 2.1503 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(167, 23, 31) }
```


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

```
.border{ border-color:rgb(167, 23, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 23, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 23, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 23, 31);  
box-shadow:4px 4px 4px 4px rgb(167, 23,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4901, 8.9272, 2.1503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 23, 31) }
```

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

```
.background{ background-color: rgb(167, 23,  
31) }
```

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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