

Converting Colors

XYZ(16.0215, 9.1186, 3.1467)

Have a look what the booklet for
XYZ(16.0215, 9.1186, 3.1467)
contains.

XYZ(15.9192, 9.0506, 3.0984)	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(15.9192, 9.0506,
3.0984)**

Conversions

Conversions Part 1

Format	Color
Hex	A2232A
RGB	162, 35, 42
RGB Percent	64%, 14%, 16%
CMY	0.3647, 0.8627, 0.8353
CMYK	0.00, 0.78, 0.74, 0.36
HSL	357°, 64%, 39%
HSV	357°, 78%, 64%
XYZ	15.9192, 9.0506, 3.0984
YIQ	73.7710, 73.4450, 29.1010

Conversions

Conversions Part 2

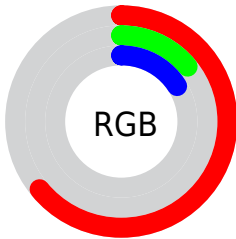
Format	Color
RYB	162, 35, 42
Decimal	10625834
CIELab	36.08, 51.12, 28.74
CIElCh	36, 58.645, 29.340
Yxy	9.0506, 0.5672, 0.3225
Android (android.graphics.Color)	4288815914 (0xFFA2232A)
YUV	73.7710, -15.6631, 77.3768
Hunter-Lab	30.0842, 41.8067, 14.9526

Details

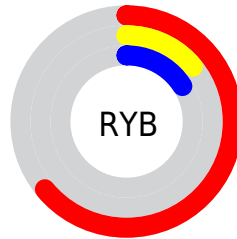
The XYZ color **15.9192, 9.0506, 3.0984** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.5308, 28.5648, 35.4985**, and the grayscale version is **6.4869, 6.8247, 7.4321**.

A 20% lighter version of the original color is **36.0200, 24.0468, 11.9756**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.3241, 8.2184, 1.7970**, and if you desaturate by 10%, it is **16.8394, 10.3659, 5.0247**.

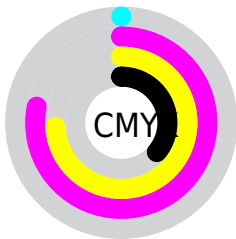
Distribution



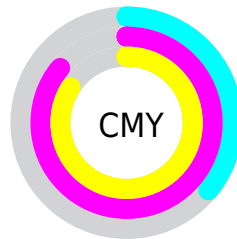
- Red (64%)
- Green (14%)
- Blue (16%)



- Red (64%)
- Yellow (14%)
- Blue (16%)



- Cyan (0%)
- Magenta (78%)
- Yellow (74%)
- Black (36%)



- Cyan (36%)
- Magenta (86%)
- Yellow (84%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9192, 9.0506, 3.0984 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 15.9192, 9.0506, 3.0984 by changing the saturation by 10% instead.

■ 15.9192, 9.0506,
3.0984

■ 15.9192, 9.0506,
3.0984

222.1442,
183.7549, 137.6042

■ 9.5575, 4.7742,
1.1451

■ 36.0165, 23.9937,
11.8703

■ 5.1666, 2.1154,
0.0000

■ 50.4827, 35.4293,
19.5260

■ 2.3811, 0.6733,
0.0000

■ 68.3812, 50.0200,
29.9195

■ 0.8357, 0.0000,
0.0000

■ 90.0772, 68.1503,
43.4695

■ 0.0000, 0.0000,
0.0000

■ 115.9362, 90.2045,
60.5944

■ 146.3234,

116.5671, 81.7128

181.6043,
147.6224, 107.2432

15.9192, 9.0506,
3.0984

15.9192, 9.0506,
3.0984

15.3241, 8.2184,
1.7970

16.8394, 10.3659,
5.0247

14.9911, 7.7630,
1.0367

18.1217, 12.2205,
7.6406

14.9490, 7.7008,
0.9546

19.7986, 14.6649,
11.0034

21.8990, 17.7432,
15.1640

24.4490, 21.4953,
20.1691

■ 27.4725, 25.9579,
26.0617

■ 30.9919, 31.1649,
32.8819

■ 35.0280, 37.1482,
40.6672

■ 39.6006, 43.9378,
49.4532

Harmonies

Analogous

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



17.2579, 9.0506, 10.0785



15.9192, 9.0506, 3.0984



12.5185, 9.0506, 0.8223

Triad

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



15.9192, 9.0506, 3.0984



4.0086, 9.0506, 2.9238



8.5249, 9.0506, 44.5139

Complementary

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



15.9192, 9.0506, 3.0984



19.5308, 28.5648, 35.4985

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.



5.6021, 9.0506, 37.5416



15.9192, 9.0506, 3.0984



3.4687, 9.0506, 9.6340

Square

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



15.9192, 9.0506, 3.0984



5.7037, 9.0506, 0.7751



3.9621, 9.0506, 22.6659



12.3467, 9.0506, 38.0864

Rectangle

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



15.9192, 9.0506, 3.0984



9.9106, 9.0506, 0.3200



3.9621, 9.0506, 22.6659



7.4146, 9.0506, 43.6131

Sweetspot

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



15.9194, 9.0511, 3.0985



46.4392, 42.0515, 40.6257



20.3606, 10.6356, 35.1618



10.0289, 8.8530, 8.3412



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.



15.9194, 9.0511, 3.0985



27.3519, 14.2898, 2.1618



18.8631, 15.1216, 3.5155



7.0888, 7.0920, 7.4543



11.7827, 6.0691, 0.7802



0.2520, 0.1293, 0.0399

Inverse Universe

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



15.9194, 9.0511, 3.0985



27.3519, 14.2898, 2.1618



12.4697, 13.4754, 36.1259



7.0888, 7.0920, 7.4543



11.7827, 6.0691, 0.7802



0.2520, 0.1293, 0.0399

Previews

White Background



This preview shows how the XYZ color 15.9192, 9.0506, 3.0984 looks on a white background.

Color Contrast Check

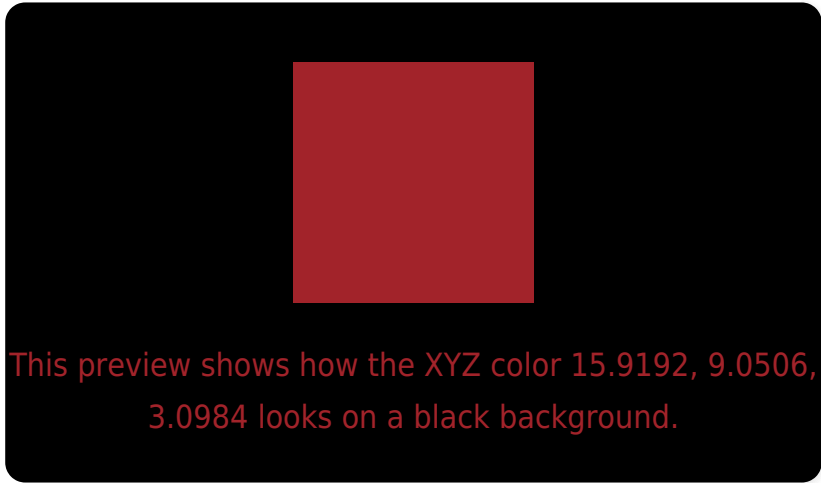
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9192, 9.0506, 3.0984

Background



This preview shows how black text looks on a background with the XYZ color 15.9192, 9.0506, 3.0984.



This preview shows how white text looks on a background with the XYZ color 15.9192, 9.0506,

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

15.9192, 9.0506, 3.0984

Protanopia

8.6314, 9.2985, 5.4775

Deuteranopia

9.3694, 9.2759, 2.8100



Tritanopia

15.8651, 9.0767, 2.6661

Trichromacy



Original Color

15.9192, 9.0506, 3.0984

Protanomaly

10.1210, 8.1229, 4.4026

Deuteranomaly

10.9766, 8.4262, 2.7982

Tritanomaly

15.8974, 9.0896, 2.8360

Monochromacy



Original Color

15.9192, 9.0506, 3.0984

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.4292, 6.6437, 5.3955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9192, 9.0506, 3.0984 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(162, 35, 42)` looks like.

```
.text, #text, p{  
    color:rgb(162, 35, 42)  
}
```

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(162, 35, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 35, 42) }
```

Border

The CSS property to change the border of an element to XYZ 15.9192, 9.0506, 3.0984 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(162, 35, 42) }
```


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

```
.border{ border-color:rgb(162, 35, 42) }
```

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

Here you see how a box with a 4 pixel rgb(162, 35, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 35, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 35, 42);  
box-shadow:4px 4px 4px 4px rgb(162, 35,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9192, 9.0506, 3.0984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 35, 42) }
```

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

```
.background{ background-color: rgb(162, 35,  
42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor