

Converting Colors

XYZ(16.3354, 8.9544, 2.3397)

Have a look what the booklet for
XYZ(16.3354, 8.9544, 2.3397)
contains.

XYZ(16.3923, 9.0007, 2.3122)	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(16.3923, 9.0007,
2.3122)**

Conversions

Conversions Part 1

Format	Color
Hex	A61B21
RGB	166, 27, 33
RGB Percent	65%, 11%, 13%
CMY	0.3490, 0.8941, 0.8706
CMYK	0.00, 0.84, 0.80, 0.35
HSL	357°, 72%, 38%
HSV	357°, 84%, 65%
XYZ	16.3923, 9.0007, 2.3122
YIQ	69.2450, 80.9180, 31.3340

Conversions

Conversions Part 2

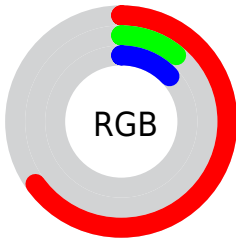
Format	Color
RYB	166, 27, 33
Decimal	10885921
CIELab	35.99, 54.24, 34.25
CIELCh	36, 64.146, 32.268
Yxy	9.0007, 0.5917, 0.3249
Android (android.graphics.Color)	4289076001 (0xFFA61B21)
YUV	69.2450, -17.8688, 84.8541
Hunter-Lab	30.0012, 45.0284, 16.4313

Details

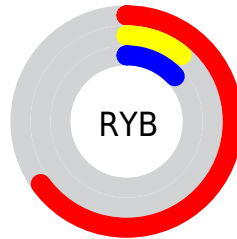
The XYZ color **16.3923, 9.0007, 2.3122** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **20.4348, 30.0439, 37.9859**, and the grayscale version is **5.7170, 6.0147, 6.5500**.

A 20% lighter version of the original color is **36.7782, 23.8604, 9.8748**, and **5.8257, 3.0033, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **15.9409, 8.3739, 1.3112**, and if you desaturate by 10%, it is **17.1641, 10.1005, 3.9380**.

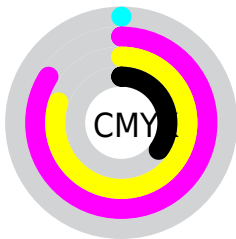
Distribution



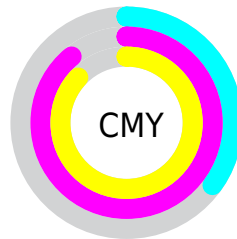
- Red (65%)
- Green (11%)
- Blue (13%)



- Red (65%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (84%)
- Yellow (80%)
- Black (35%)




- Cyan (35%)
- Magenta (89%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3923, 9.0007, 2.3122 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 16.3923, 9.0007, 2.3122 by changing the saturation by 10% instead.


 16.3923, 9.0007,
2.3122


 16.3923, 9.0007,
2.3122


224.8708,
183.3831, 127.0504


 9.8948, 4.7416,
0.7380


 36.8299, 23.8981,
9.8780


 5.3910, 2.0965,
0.0000

 51.5007, 35.3053,
16.7239


 2.5155, 0.6626,
0.0000

 69.6266, 49.8639,
26.1700

 0.9031, 0.0000,
0.0000


 91.5730, 67.9584,
38.6347


 0.0000, 0.0000,
0.0000

 117.7053, 89.9732,
54.5365


 148.3888,


116.2926, 74.2940


 183.9888,
147.3011, 98.3258


 16.3923, 9.0007,
2.3122


 16.3923, 9.0007,
2.3122


 15.9409, 8.3739,
1.3112


 17.1641, 10.1005,
3.9380

 15.7649, 8.1226,
0.9422

 18.3003, 11.7402,
6.2678

 19.8389, 13.9777,
9.3694

 21.8128, 16.8631,
13.3025

 24.2516, 20.4412,
18.1211

■ 27.1821, 24.7529,
23.8746

■ 30.6294, 29.8358,
30.6086

■ 34.6165, 35.7250,
38.3658

■ 39.1654, 42.4535,
47.1866

Harmonies

Analogous

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



18.1963, 9.0007, 8.9909



16.3923, 9.0007, 2.3122



12.4494, 9.0007, 0.3682

Triad

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



16.3923, 9.0007, 2.3122



3.5604, 9.0007, 2.9078



8.8490, 9.0007, 49.4440

Complementary

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



16.3923, 9.0007, 2.3122



20.4348, 30.0439, 37.9859

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.



5.5713, 9.0007, 42.7137



16.3923, 9.0007, 2.3122



3.1133, 9.0007, 10.6567

Square

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



16.3923, 9.0007, 2.3122



5.2014, 9.0007, 0.5457



3.7250, 9.0007, 25.8726



13.1073, 9.0007, 40.5302

Rectangle

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



16.3923, 9.0007, 2.3122



9.5819, 9.0007, 0.0000



3.7250, 9.0007, 25.8726



7.6040, 9.0007, 48.9315

Sweetspot

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



16.3925, 9.0013, 2.3123



48.3427, 43.4656, 41.3896



21.5831, 10.9137, 37.0450



10.4050, 9.1186, 8.4517



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.



16.3925, 9.0013, 2.3123



28.5922, 14.7339, 1.6050



19.5427, 15.4241, 2.9849



7.5437, 7.5473, 7.9144



12.2296, 6.3005, 0.7545



0.3015, 0.1549, 0.0392

Inverse Universe

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



16.3925, 9.0013, 2.3123



28.5922, 14.7339, 1.6050



12.2310, 12.7779, 37.8977



7.5437, 7.5473, 7.9144



12.2296, 6.3005, 0.7545



0.3015, 0.1549, 0.0392

Previews

White Background



This preview shows how the XYZ color 16.3923, 9.0007, 2.3122 looks on a white background.

Color Contrast Check

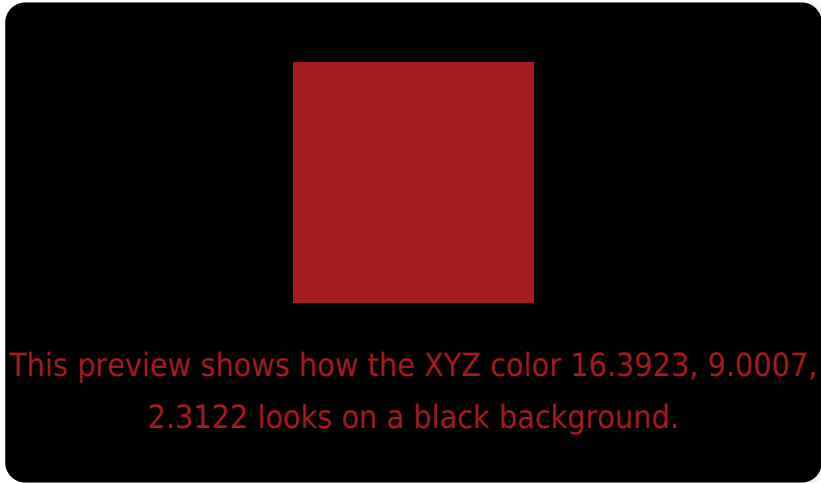
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3923, 9.0007, 2.3122

Background



This preview shows how black text looks on a background with the XYZ color 16.3923, 9.0007, 2.3122.



This preview shows how white text looks on a background with the XYZ color 16.3923, 9.0007,

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

16.3923, 9.0007, 2.3122

Protanopia

8.6015, 9.3102, 4.2494

Deuteranopia

9.4593, 9.3399, 2.0137



Tritanopia

16.3390, 9.0166, 1.9161

Trichromacy



Original Color

16.3923, 9.0007, 2.3122

Protanomaly

10.2115, 8.0200, 3.2953

Deuteranomaly

11.1040, 8.2613, 1.9290

Tritanomaly

16.3629, 9.0262, 2.0422

Monochromacy



Original Color

16.3923, 9.0007, 2.3122

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

7.7419, 5.8669, 4.4658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3923, 9.0007, 2.3122 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(166, 27, 33)` looks like.

```
.text, #text, p{  
  color:rgb(166, 27, 33)  
}
```

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(166, 27, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 27, 33) }
```

Border

The CSS property to change the border of an element to XYZ 16.3923, 9.0007, 2.3122 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(166, 27, 33) }
```


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

```
.border{ border-color:rgb(166, 27, 33) }
```

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

Here you see how a box with a 4 pixel rgb(166, 27, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 27, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 27, 33);  
box-shadow:4px 4px 4px 4px rgb(166, 27,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3923, 9.0007, 2.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 27, 33) }
```

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

```
.background{ background-color: rgb(166, 27,  
33) }
```

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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