

Converting Colors

XYZ(16.9966, 9.1178, 2.7836)

Have a look what the booklet for
XYZ(16.9966, 9.1178, 2.7836)
contains.

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Color

**XYZ(16.9966, 9.1178,
2.7836)**

Conversions

Conversions Part 1

Format	Color
Hex	A91527
RGB	169, 21, 39
RGB Percent	66%, 8%, 15%
CMY	0.3373, 0.9176, 0.8471
CMYK	0.00, 0.88, 0.77, 0.34
HSL	353°, 78%, 37%
HSV	353°, 88%, 66%
XYZ	16.9966, 9.1178, 2.7836
YIQ	67.3040, 82.4300, 36.9740

Conversions

Conversions Part 2

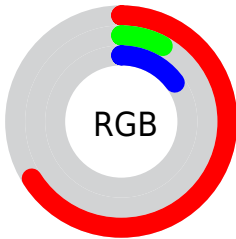
Format	Color
RYB	169, 21, 39
Decimal	11080999
CIELab	36.21, 56.65, 31.10
CIELCh	36, 64.626, 28.766
Yxy	9.1178, 0.5882, 0.3155
Android (android.graphics.Color)	4289271079 (0xFFA91527)
YUV	67.3040, -13.9539, 89.1874
Hunter-Lab	30.1957, 47.6319, 15.6713

Details

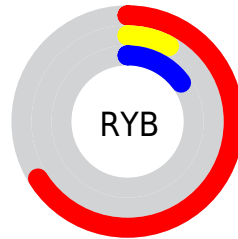
The XYZ color **16.9966, 9.1178, 2.7836** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **20.0846, 30.7703, 34.1648**, and the grayscale version is **5.3967, 5.6777, 6.1831**.

A 20% lighter version of the original color is **37.8037, 24.1260, 11.0518**, and **6.1843, 3.1881, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **16.5733, 8.5909, 1.6573**, and if you desaturate by 10%, it is **17.7148, 10.0807, 4.4833**.

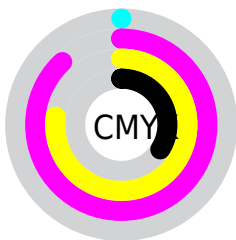
Distribution



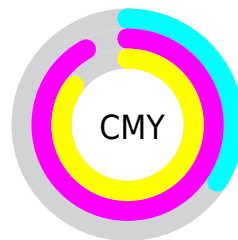
- Red (66%)
- Green (8%)
- Blue (15%)



- Red (66%)
- Yellow (8%)
- Blue (15%)



- Cyan (0%)
- Magenta (88%)
- Yellow (77%)
- Black (34%)




- Cyan (34%)
- Magenta (92%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9966, 9.1178, 2.7836 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 16.9966, 9.1178, 2.7836 by changing the saturation by 10% instead.


 16.9966, 9.1178,
2.7836


 16.9966, 9.1178,
2.7836


228.3094,
184.2543, 133.5549


 10.3274, 4.8181,
0.9852


 37.8636, 24.1224,
11.0896


 5.6805, 2.1409,
0.0000

 52.7920, 35.5961,
18.4344


 2.6906, 0.6875,
0.0000

 71.2042, 50.2298,
28.4650

 0.9923, 0.0000,
0.0000

 93.4656, 68.4081,
41.6000

 0.0000, 0.0000,
0.0000

 119.9414, 90.5153,
58.2579

 150.9971,

116.9358, 78.8574

186.9980,
148.0540, 103.8168

16.9966, 9.1178,
2.7836

16.9966, 9.1178,
2.7836

16.5733, 8.5909,
1.6573

17.7148, 10.0807,
4.4833

16.4933, 8.4874,
1.4563

18.7842, 11.5757,
6.8247

20.2433, 13.6659,
9.8640

22.1254, 16.4050,
13.6511

24.4600, 19.8408,
18.2315

■ 27.2741, 24.0167,
23.6468

■ 30.5925, 28.9724,
29.9358

■ 34.4384, 34.7448,
37.1348

■ 38.8334, 41.3685,
45.2782

Harmonies

Analogous

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



18.4786, 9.1178, 10.3955



16.9966, 9.1178, 2.7836



13.1427, 9.1178, 0.5015

Triad

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



16.9966, 9.1178, 2.7836



3.7216, 9.1178, 2.4556



8.5064, 9.1178, 50.3195

Complementary

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



16.9966, 9.1178, 2.7836



20.0846, 30.7703, 34.1648

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.



5.3427, 9.1178, 41.7303



16.9966, 9.1178, 2.7836



3.1398, 9.1178, 9.4742

Square

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



16.9966, 9.1178, 2.7836



5.5470, 9.1178, 0.4041



3.6308, 9.1178, 24.1818



12.7784, 9.1178, 42.9414

Rectangle

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



16.9966, 9.1178, 2.7836



10.2036, 9.1178, 0.0000



3.6308, 9.1178, 24.1818



7.2915, 9.1178, 49.1346

Sweetspot

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



16.9968, 9.1184, 2.7837



49.4552, 43.9193, 43.5112



19.8733, 9.8163, 38.3833



10.3881, 8.9906, 8.7366



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.



16.9968, 9.1184, 2.7837



29.4976, 15.1842, 2.3921



19.0325, 13.5589, 2.3242



7.5668, 7.5566, 8.0362



12.3036, 6.3302, 1.1446



0.3103, 0.1584, 0.0854

Inverse Universe

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



16.9968, 9.1184, 2.7837



29.4976, 15.1842, 2.3921



13.5720, 15.2261, 39.7596



7.5668, 7.5566, 8.0362



12.3036, 6.3302, 1.1446



0.3103, 0.1584, 0.0854

Previews

White Background



This preview shows how the XYZ color 16.9966, 9.1178, 2.7836 looks on a white background.

Color Contrast Check

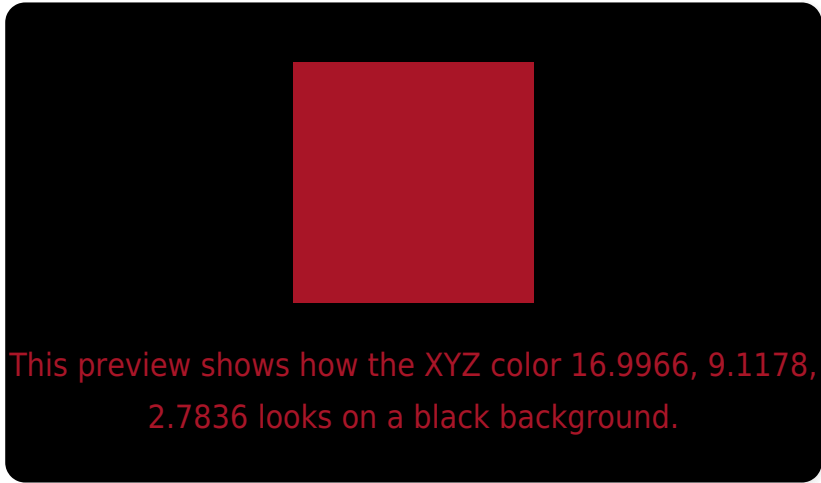
Large Text (above 18pt) WCAG AA ✓ Pass

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

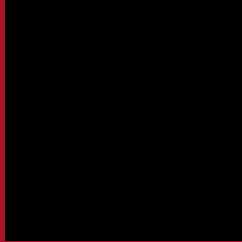
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9966, 9.1178, 2.7836

Background



This preview shows how black text looks on a background with the XYZ color 16.9966, 9.1178, 2.7836.



This preview shows how white text looks on a background with the XYZ color 16.9966, 9.1178,

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

16.9966, 9.1178, 2.7836

Protanopia

8.7880, 9.5016, 5.3738

Deuteranopia

9.6217, 9.5264, 2.4941



Tritanopia

16.8546, 9.1882, 1.6442

Trichromacy



Original Color

16.9966, 9.1178, 2.7836

Protanomaly

10.2602, 7.8590, 4.1081

Deuteranomaly

11.2504, 8.1668, 2.4222

Tritanomaly

16.8984, 9.1721, 1.9784

Monochromacy



Original Color

16.9966, 9.1178, 2.7836

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.5880, 5.5197, 4.5364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9966, 9.1178, 2.7836 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(169, 21, 39)` looks like.

```
.text, #text, p{  
    color:rgb(169, 21, 39)  
}
```

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(169, 21, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 21, 39) }
```

Border

The CSS property to change the border of an element to XYZ 16.9966, 9.1178, 2.7836 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(169, 21, 39) }
```


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

```
.border{ border-color:rgb(169, 21, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 21, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 21, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 21, 39);  
box-shadow:4px 4px 4px 4px rgb(169, 21,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9966, 9.1178, 2.7836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 21, 39) }
```

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

```
.background{ background-color: rgb(169, 21,  
39) }
```

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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