

Converting Colors

XYZ(16.8796, 8.6882, 1.4041)

Have a look what the booklet for
XYZ(16.8796, 8.6882, 1.4041)
contains.

XYZ(16.9121, 8.7049, 1.4049)	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(16.9121, 8.7049,
1.4049)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0013
RGB	171, 0, 19
RGB Percent	67%, 0%, 7%
CMY	0.3294, 0.9999, 0.9255
CMYK	0.00, 1.00, 0.89, 0.33
HSL	353°, 100%, 34%
HSV	353°, 100%, 67%
XYZ	16.9121, 8.7049, 1.4049
YIQ	53.2950, 95.8170, 42.1610

Conversions

Conversions Part 2

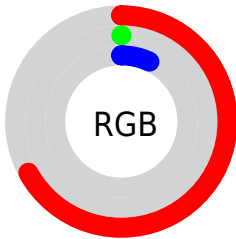
Format	Color
RYB	171, 0, 19
Decimal	11206675
CIELab	35.41, 59.63, 41.73
CIELCh	35, 72.783, 34.983
Yxy	8.7049, 0.6259, 0.3221
Android (android.graphics.Color)	4289396755 (0xFFAB0013)
YUV	53.2950, -16.9074, 103.2273
Hunter-Lab	29.5041, 50.6863, 17.8296

Details

The XYZ color **16.9121, 8.7049, 1.4049** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.2328, 31.3936, 34.7105**, and the grayscale version is **3.4333, 3.6121, 3.9335**.

A 20% lighter version of the original color is **37.8402, 23.3401, 7.3612**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **16.9118, 8.7048, 1.4038**, and if you desaturate by 10%, it is **17.2885, 9.1794, 2.3893**.

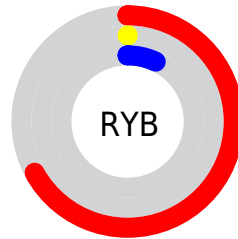
Distribution



Red (67%)

Green (0%)

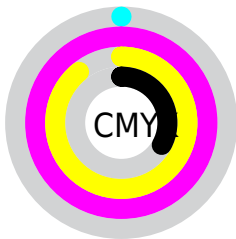
Blue (7%)



Red (67%)

Yellow (0%)

Blue (7%)

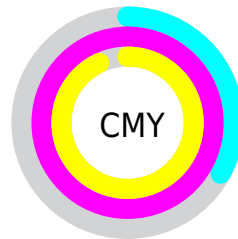


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (33%)



Cyan (33%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9121, 8.7049, 1.4049 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 16.9121, 8.7049, 1.4049 by changing the saturation by 10% instead.


 16.9121, 8.7049,
1.4049


 16.9121, 8.7049,
1.4049


 227.8315,
181.1609, 112.3184


 10.2668, 4.5492,
0.1455


 37.7194, 23.3292,
7.3386


 5.6398, 1.9853,
0.0000

 52.6120, 34.5666,
13.0600


 2.6659, 0.5989,
0.0000

 70.9845, 48.9333,
21.1756

 0.9796, 0.0000,
0.0000


 93.2021, 66.8137,
32.1042


 0.0000, 0.0000,
0.0000


 119.6303, 88.5923,
46.2643


 150.6343,

114.6535, 64.0743


 186.5796,
145.3816, 85.9528


 16.9121, 8.7049,
1.4049


 16.9121, 8.7049,
1.4049


 16.9118, 8.7048,
1.4038

 17.2885, 9.1794,
2.3893

 17.9359, 10.0401,
3.9433

 18.9354, 11.4313,
6.1499

 20.3284, 13.4203,
9.0714

 22.1507, 16.0645,
12.7625

■ 24.4338, 19.4147,
17.2726

■ 27.2064, 23.5165,
22.6469

■ 30.4949, 28.4117,
28.9275

■ 34.3235, 34.1390,
36.1535

Harmonies

Analogous

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



19.3428, 8.7049, 7.5914



16.9121, 8.7049, 1.4049



12.2224, 8.7049, 0.0000

Triad

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



16.9121, 8.7049, 1.4049



2.8668, 8.7049, 2.6361



9.0022, 8.7049, 56.9537

Complementary

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



16.9121, 8.7049, 1.4049



20.2328, 31.3936, 34.7105

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.



5.2828, 8.7049, 50.2839



16.9121, 8.7049, 1.4049



2.5197, 8.7049, 11.6541

Square

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



16.9121, 8.7049, 1.4049



4.4246, 8.7049, 0.0992



3.2304, 8.7049, 30.1552



13.8833, 8.7049, 44.3641

Rectangle

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



16.9121, 8.7049, 1.4049



9.0074, 8.7049, 0.0000



3.2304, 8.7049, 30.1552



7.5810, 8.7049, 56.9496

Sweetspot

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



16.9123, 8.7055, 1.4050



48.4310, 41.6798, 39.9928



20.1232, 9.5252, 39.3057



10.3272, 8.5937, 8.0049



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.9123, 8.7055, 1.4050



30.2497, 15.5745, 2.3101



18.7176, 12.5039, 1.4277



8.0400, 8.0293, 8.5217



12.7595, 6.5663, 1.1128



0.3662, 0.1871, 0.0900

Inverse Universe

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



16.9123, 8.7055, 1.4050



30.2497, 15.5745, 2.3101



12.4495, 13.1375, 40.4074



8.0400, 8.0293, 8.5217



12.7595, 6.5663, 1.1128



0.3662, 0.1871, 0.0900

Previews

White Background



This preview shows how the XYZ color 16.9121, 8.7049, 1.4049 looks on a white background.

Color Contrast Check

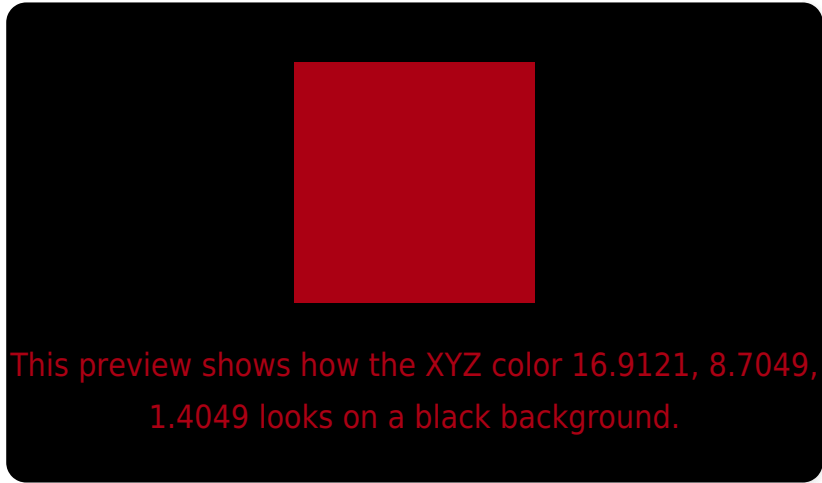
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9121, 8.7049, 1.4049

Background



This preview shows how black text looks on a background with the XYZ color 16.9121, 8.7049, 1.4049.



This preview shows how white text looks on a background with the XYZ color 16.9121, 8.7049,

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

16.9121, 8.7049, 1.4049

Protanopia

8.5208, 9.4187, 2.8823

Deuteranopia

9.3240, 9.2858, 1.3009



Tritanopia

16.7629, 8.9166, 0.8376

Trichromacy



Original Color

16.9121, 8.7049, 1.4049

Protanomaly

9.7563, 7.0320, 2.0055

Deuteranomaly

10.7821, 7.3769, 1.0566

Tritanomaly

16.7245, 8.7785, 1.0139

Monochromacy



Original Color

16.9121, 8.7049, 1.4049

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.7961, 3.7909, 2.5241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9121, 8.7049, 1.4049 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(171, 0, 19)` looks like.

```
.text, #text, p{  
  color:rgb(171, 0, 19)  
}
```

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(171, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 19) }
```

Border

The CSS property to change the border of an element to XYZ 16.9121, 8.7049, 1.4049 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(171, 0, 19) }
```


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

```
.border{ border-color:rgb(171, 0, 19) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9121, 8.7049, 1.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 19) }
```

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

```
.background{ background-color: rgb(171, 0,  
19) }
```

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