

Converting Colors

XYZ(16.6678, 13.8341, 1.7918)

Have a look what the booklet for
XYZ(16.6678, 13.8341, 1.7918)
contains.

XYZ(16.7092, 13.9171, 1.8056)	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(16.7092, 13.9171,
1.8056)**

Conversions

Conversions Part 1

Format	Color
Hex	995900
RGB	153, 89, 0
RGB Percent	60%, 35%, 0%
CMY	0.4000, 0.6510, 1.0000
CMYK	0.00, 0.42, 1.00, 0.40
HSL	35°, 100%, 30%
HSV	35°, 100%, 60%
XYZ	16.7092, 13.9171, 1.8056
YIQ	97.9900, 66.7130, -14.1110

Conversions

Conversions Part 2

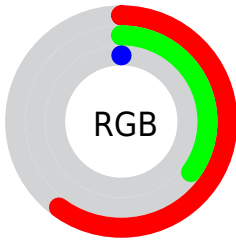
Format	Color
R_{YB}	110, 153, 0
Decimal	10049792
CIE _{Lab}	44.11, 20.99, 52.64
CIE _{LCh}	44, 56.672, 68.265
Yxy	13.9171, 0.5152, 0.4291
Android (android.graphics.Color)	4288239872 (0xFF995900)
YUV	97.9900, -48.3091, 48.2438
Hunter-Lab	37.3056, 14.6653, 23.2443

Details

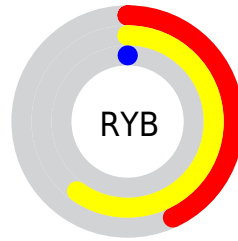
The XYZ color **16.7092, 13.9171, 1.8056** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5830, 5.9665, 30.8885**, and the grayscale version is **11.7123, 12.3223, 13.4190**.

A 20% lighter version of the original color is **37.4626, 32.9271, 8.5188**, and **5.6877, 4.2146, 0.5137** is the 20% darker color. If you saturate the color by 10%, you get **16.7093, 13.9175, 1.8057**, and if you desaturate by 10%, it is **17.3538, 15.0651, 2.4566**.

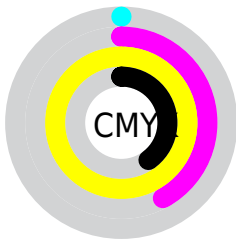
Distribution



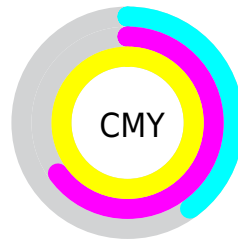
- Red (60%)
- Green (35%)
- Blue (0%)



- Red (43%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (100%)
- Black (40%)





- Cyan (40%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7092, 13.9171, 1.8056 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 16.7092, 13.9171, 1.8056 by changing the saturation by 10% instead.


 16.7092, 13.9171,
1.8056


 16.7092, 13.9171,
1.8056


 226.6800,
216.7145, 119.2812

 10.1214, 8.0630,
0.4316


 37.3727, 32.9419,
8.5022


 5.5424, 4.1353,
0.0000

 52.1791, 46.8813,
14.7539


 2.6069, 1.7495,
0.0000

 70.4557, 64.2848,
23.4994

 0.9495, 0.4554,
0.0000


 92.5680, 85.5365,
35.1571


 0.0000, 0.0000,
0.0000


 118.8812,
111.0209, 50.1456


 149.7607,


141.1225, 68.8834


 185.5718,
176.2255, 91.7891


 16.7092, 13.9171,
1.8056


 16.7092, 13.9171,
1.8056


 16.7093, 13.9175,
1.8057

 17.3538, 15.0651,
2.4566

 18.1110, 16.3334,
3.4672

 19.0120, 17.7369,
4.9964

 20.0701, 19.2825,
7.1078

 21.2965, 20.9765,
9.8561

■ 22.7013, 22.8244,
13.2894

■ 24.2937, 24.8315,
17.4511

■ 26.0822, 27.0025,
22.3811

■ 28.0745, 29.3422,
28.1163

Harmonies

Analogous

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



21.2797, 13.9171, 4.3837



16.7092, 13.9171, 1.8056



12.0189, 13.9171, 1.4643

Triad

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



16.7092, 13.9171, 1.8056



6.3635, 13.9171, 19.0149



19.3639, 13.9171, 44.2478

Complementary

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



16.7092, 13.9171, 1.8056



7.5830, 5.9665, 30.8885

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.



14.5151, 13.9171, 55.4639



16.7092, 13.9171, 1.8056



7.5164, 13.9171, 36.3487

Square

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



16.7092, 13.9171, 1.8056



6.6925, 13.9171, 7.6865



10.2670, 13.9171, 51.9567



23.0391, 13.9171, 26.3478

Rectangle

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



16.7092, 13.9171, 1.8056



9.5286, 13.9171, 2.1112



10.2670, 13.9171, 51.9567



17.7783, 13.9171, 49.2829

Sweetspot

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



16.7095, 13.9178, 1.8058



43.3285, 44.2488, 30.7715



14.1290, 7.1692, 5.8402



9.3176, 9.4589, 6.1328



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.7095, 13.9178, 1.8058



29.7381, 24.5514, 3.1715



22.6841, 28.6039, 4.3256



6.4922, 6.7895, 6.5742



13.8436, 11.5697, 1.5035



0.2428, 0.2447, 0.0344

Inverse Universe

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



7.5830, 5.9665, 30.8885



13.4054, 10.3352, 55.2603



5.8775, 2.3658, 30.2834



6.0862, 6.4297, 7.8493



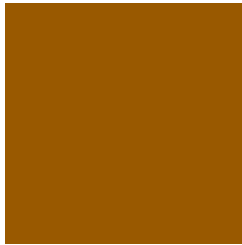
6.2988, 4.9942, 25.5397



0.1289, 0.1442, 0.3934

Previews

White Background



This preview shows how the XYZ color 16.7092, 13.9171, 1.8056 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 × Fail

Black Background



This preview shows how the XYZ color 16.7092, 13.9171, 1.8056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7092, 13.9171, 1.8056

Background



This preview shows how black text looks on a background with the XYZ color 16.7092, 13.9171, 1.8056.



This preview shows how white text looks on a background with the XYZ color 16.7092, 13.9171,

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

16.7092, 13.9171, 1.8056

Protanopia

12.5891, 13.9812, 2.3830

Deuteranopia

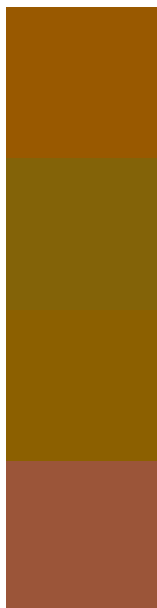
14.2300, 14.1009, 1.9717



Tritanopia

18.6067, 13.9757, 11.1681

Trichromacy



Original Color

16.7092, 13.9171, 1.8056

Protanomaly

13.8657, 13.7665, 2.1561

Deuteranomaly

14.9981, 13.9412, 1.9004

Tritanomaly

17.5046, 13.7610, 5.6044

Monochromacy



Original Color

16.7092, 13.9171, 1.8056

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.4329, 12.3838, 6.2924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7092, 13.9171, 1.8056 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(153, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 89, 0)  
}
```

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(153, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 89, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.7092, 13.9171, 1.8056 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(153, 89, 0) }
```


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

```
.border{ border-color:rgb(153, 89, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 89, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7092, 13.9171, 1.8056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 89, 0) }
```

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

```
.background{ background-color: rgb(153, 89,  
0) }
```

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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