

Converting Colors

XYZ(17.1841, 12.9454, 0.0000)

Have a look what the booklet for
XYZ(17.1841, 12.9454, 0.0000)
contains.

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Color

**XYZ(17.4223, 13.0258,
1.5960)**

Conversions

Conversions Part 1

Format	Color
Hex	A14E00
RGB	161, 78, 0
RGB Percent	63%, 31%, 0%
CMY	0.3686, 0.6941, 1.0000
CMYK	0.00, 0.52, 1.00, 0.37
HSL	29°, 100%, 32%
HSV	29°, 100%, 63%
XYZ	17.4223, 13.0258, 1.5960
YIQ	93.9250, 74.5060, -6.6620

Conversions

Conversions Part 2

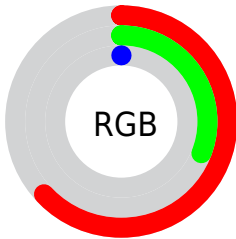
Format	Color
R_{YB}	161, 151, 0
Decimal	10571264
CIE _{Lab}	42.80, 30.57, 52.44
CIE _{LCh}	43, 60.697, 59.759
Yxy	13.0258, 0.5437, 0.4065
Android (android.graphics.Color)	4288761344 (0xFFA14E00)
YUV	93.9250, -46.3050, 58.8248
Hunter-Lab	36.0913, 23.0074, 22.6420

Details

The XYZ color **17.4223, 13.0258, 1.5960** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.5262, 8.7595, 34.9066**, and the grayscale version is **10.7158, 11.2738, 12.2772**.

A 20% lighter version of the original color is **38.5819, 31.2633, 7.8718**, and **5.9438, 3.7533, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **17.4224, 13.0262, 1.5960**, and if you desaturate by 10%, it is **18.1443, 14.3191, 2.3019**.

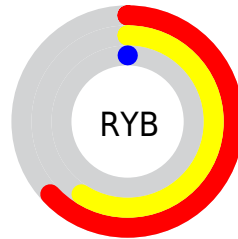
Distribution



Red (63%)

Green (31%)

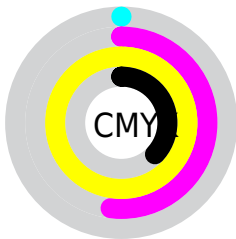
Blue (0%)



Red (63%)

Yellow (59%)

Blue (0%)

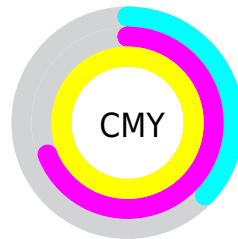


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4223, 13.0258, 1.5960 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 17.4223, 13.0258, 1.5960 by changing the saturation by 10% instead.


 17.4223, 13.0258,
1.5960


 17.4223, 13.0258,
1.5960


 230.7035,
211.0830, 115.7496


 10.6332, 7.4463,
0.2880


 38.5883, 31.3501,
7.9036


 5.8862, 3.7428,
0.0000

 53.6959, 44.8638,
13.8860


 2.8160, 1.5307,
0.0000

 72.3070, 61.7909,
22.3123

 1.0572, 0.3102,
0.0000

 94.7871, 82.5159,
33.6008


 0.0000, 0.0000,
0.0000


 121.5014,
107.4233, 48.1703


 152.8153,


136.8973, 66.4393


 189.0942,
171.3224, 88.8261


 17.4223, 13.0258,
1.5960


 17.4223, 13.0258,
1.5960


 17.4224, 13.0262,
1.5960

 18.1443, 14.3191,
2.3019

 19.0180, 15.7957,
3.4276

 20.0783, 17.4743,
5.1440

 21.3415, 19.3652,
7.5240

 22.8214, 21.4774,
10.6302

■ 24.5305, 23.8197,
14.5174

■ 26.4804, 26.3998,
19.2355

■ 28.6815, 29.2254,
24.8299

■ 31.1437, 32.3034,
31.3429

Harmonies

Analogous

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



21.8187, 13.0258, 4.9242



17.4223, 13.0258, 1.5960



12.4181, 13.0258, 0.9159

Triad

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



17.4223, 13.0258, 1.5960



5.4461, 13.0258, 14.0759



17.3410, 13.0258, 49.7813

Complementary

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



17.4223, 13.0258, 1.5960



9.5262, 8.7595, 34.9066

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.



12.3432, 13.0258, 57.9495



17.4223, 13.0258, 1.5960



6.1531, 13.0258, 30.9558

Square

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



17.4223, 13.0258, 1.5960



6.1766, 13.0258, 4.8330



8.4195, 13.0258, 49.5340



21.7641, 13.0258, 31.2695

Rectangle

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



17.4223, 13.0258, 1.5960



9.6106, 13.0258, 1.1801



8.4195, 13.0258, 49.5340



15.6375, 13.0258, 54.2009

Sweetspot

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



17.4226, 13.0265, 1.5962



47.2152, 47.0072, 33.9301



16.2663, 8.2045, 8.9474



10.0436, 9.9005, 6.6780



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.4226, 13.0265, 1.5962



31.0064, 22.9371, 2.7931



26.9787, 32.1387, 4.7816



7.3437, 7.6258, 7.4650



13.9554, 10.4848, 1.2882



0.3405, 0.3149, 0.0428

Inverse Universe

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



9.5262, 8.7595, 34.9066



16.8617, 15.2898, 62.4491



6.4622, 2.6316, 33.8852



6.9883, 7.4355, 8.9699



7.6491, 7.0777, 27.8928



0.2078, 0.2429, 0.6018

Previews

White Background



This preview shows how the XYZ color 17.4223, 13.0258, 1.5960 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 17.4223, 13.0258, 1.5960 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 17.4223, 13.0258, 1.5960

Background



This preview shows how black text looks on a background with the XYZ color 17.4223, 13.0258, 1.5960.



This preview shows how white text looks on a background with the XYZ color 17.4223, 13.0258,

1.5960.

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

17.4223, 13.0258, 1.5960

Protanopia

11.9009, 13.1793, 2.3321

Deuteranopia

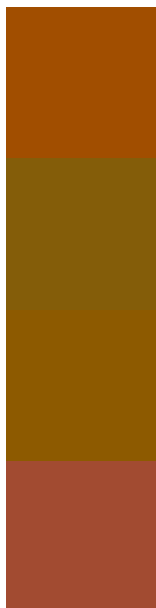
13.3280, 13.2165, 1.8486



Tritanopia

18.8264, 13.0874, 8.5550

Trichromacy



Original Color

17.4223, 13.0258, 1.5960

Protanomaly

13.4794, 12.7540, 2.0098

Deuteranomaly

14.6407, 12.9750, 1.7328

Tritanomaly

17.9707, 12.9353, 4.4553

Monochromacy



Original Color

17.4223, 13.0258, 1.5960

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.7765, 11.1572, 5.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4223, 13.0258, 1.5960 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(161, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 78, 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(161, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 78, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.4223, 13.0258, 1.5960 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(161, 78, 0) }
```


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

```
.border{ border-color:rgb(161, 78, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 78, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4223, 13.0258, 1.5960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 78, 0) }
```

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

```
.background{ background-color: rgb(161, 78,  
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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