

Converting Colors

XYZ(19.3558, 14.2497, 1.0866)

Have a look what the booklet for
XYZ(19.3558, 14.2497, 1.0866)
contains.

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Color

**XYZ(19.4462, 14.2834,
1.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	AA5000
RGB	170, 80, 0
RGB Percent	67%, 31%, 0%
CMY	0.3333, 0.6863, 1.0000
CMYK	0.00, 0.53, 1.00, 0.33
HSL	28°, 100%, 33%
HSV	28°, 100%, 67%
XYZ	19.4462, 14.2834, 1.7320
YIQ	97.7900, 79.3200, -5.8000

Conversions

Conversions Part 2

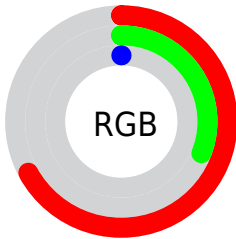
Format	Color
R_{YB}	170, 151, 0
Decimal	11161600
CIE Lab	44.64, 33.26, 54.25
CIE LCh	45, 63.631, 58.487
Yxy	14.2834, 0.5484, 0.4028
Android (android.graphics.Color)	4289351680 (0xFFAA5000)
YUV	97.7900, -48.2105, 63.3282
Hunter-Lab	37.7934, 25.7069, 23.7382

Details

The XYZ color **19.4462, 14.2834, 1.7320** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.9114, 10.2138, 39.4262**, and the grayscale version is **11.6600, 12.2672, 13.3590**.

A 20% lighter version of the original color is **42.1587, 33.6939, 8.2846**, and **6.9204, 4.2950, 0.4643** is the 20% darker color. If you saturate the color by 10%, you get **19.4464, 14.2840, 1.7322**, and if you desaturate by 10%, it is **20.2514, 15.7321, 2.4996**.

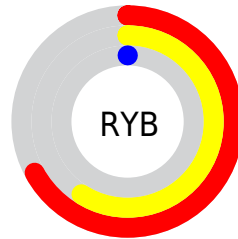
Distribution



Red (67%)

Green (31%)

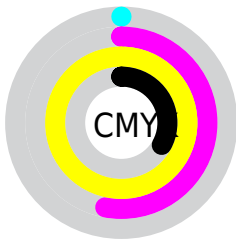
Blue (0%)



Red (67%)

Yellow (59%)

Blue (0%)

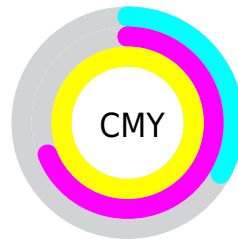


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4462, 14.2834, 1.7320 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 19.4462, 14.2834, 1.7320 by changing the saturation by 10% instead.


 19.4462, 14.2834,
1.7320


 19.4462, 14.2834,
1.7320


 241.7922,
218.9868, 118.0658


 12.0990, 8.3180,
0.3825


 41.9978, 33.5910,
8.2943


 6.8838, 4.2991,
0.0000


 57.9329, 47.7021,
14.4533

 3.4352, 1.8423,
0.0000

 77.4615, 65.2972,
23.0889

 1.3879, 0.5133,
0.0000

 100.9487, 86.7607,
34.6198

 0.2476, 0.0000,
0.0000

 128.7601,
112.4770, 49.4643

 0.0000, 0.0000,
0.0000

 161.2609,

142.8306, 68.0412

198.8165,
178.2057, 90.7688

19.4462, 14.2834,
1.7320

19.4462, 14.2834,
1.7320

19.4464, 14.2840,
1.7322

20.2514, 15.7321,
2.4996

21.2343, 17.3978,
3.7525

22.4331, 19.3013,
5.6754

23.8667, 21.4550,
8.3524

25.5512, 23.8699,
11.8553

■ 27.5012, 26.5562,
16.2472

■ 29.7300, 29.5234,
21.5849

■ 32.2499, 32.7805,
27.9206

■ 35.0723, 36.3359,
35.3026

Harmonies

Analogous

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



24.2888, 14.2834, 5.5593



19.4462, 14.2834, 1.7320



13.8394, 14.2834, 0.9334

Triad

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



19.4462, 14.2834, 1.7320



5.8805, 14.2834, 14.8144



18.8756, 14.2834, 56.2440

Complementary

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



19.4462, 14.2834, 1.7320



10.9114, 10.2138, 39.4262

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.



13.3158, 14.2834, 64.7142



19.4462, 14.2834, 1.7320



6.5928, 14.2834, 33.4088

Square

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



19.4462, 14.2834, 1.7320



6.7559, 14.2834, 4.9305



9.0247, 14.2834, 54.4958



23.9050, 14.2834, 35.6180

Rectangle

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



19.4462, 14.2834, 1.7320



10.6683, 14.2834, 1.1751



9.0247, 14.2834, 54.4958



16.9690, 14.2834, 61.0212

Sweetspot

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



19.4465, 14.2842, 1.7322



53.7087, 53.2608, 38.5900



18.4514, 9.2956, 10.6442



11.5965, 11.3742, 7.6823



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.



19.4465, 14.2842, 1.7322



35.0697, 25.4887, 3.0714



29.9125, 35.2161, 5.2209



7.8113, 8.1027, 7.9415



14.3602, 10.6176, 1.2925



0.4009, 0.3614, 0.0486

Inverse Universe

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



10.9114, 10.2138, 39.4262



19.5777, 18.0919, 71.4621



7.3172, 3.0253, 38.2281



7.4482, 7.9333, 9.5571



8.0828, 7.6258, 29.0214



0.2472, 0.2867, 0.7230

Previews

White Background



This preview shows how the XYZ color 19.4462, 14.2834, 1.7320 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 19.4462, 14.2834, 1.7320 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 19.4462, 14.2834, 1.7320

Background



This preview shows how black text looks on a background with the XYZ color 19.4462, 14.2834, 1.7320.



This preview shows how white text looks on a background with the XYZ color 19.4462, 14.2834,

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

19.4462, 14.2834, 1.7320

Protanopia

13.0896, 14.5429, 2.5691

Deuteranopia

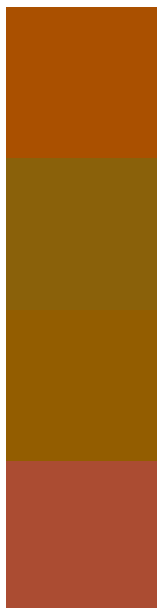
14.4852, 14.3757, 2.0113



Tritanopia

20.8733, 14.2327, 9.0442

Trichromacy



Original Color

19.4462, 14.2834, 1.7320

Protanomaly

14.8107, 13.9746, 2.2039

Deuteranomaly

15.9470, 14.0317, 1.8679

Tritanomaly

19.9548, 14.0571, 4.6792

Monochromacy



Original Color

19.4462, 14.2834, 1.7320

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9228, 12.1151, 6.2148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4462, 14.2834, 1.7320 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(170, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 80, 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(170, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4462, 14.2834, 1.7320 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(170, 80, 0) }
```


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

```
.border{ border-color:rgb(170, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4462, 14.2834, 1.7320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 80, 0) }
```

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

```
.background{ background-color: rgb(170, 80,  
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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