

Converting Colors

XYZ(22.6462, 19.4885, 2.8610)

Have a look what the booklet for
XYZ(22.6462, 19.4885, 2.8610)
contains.

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Color

**XYZ(22.5461, 19.4215,
2.8476)**

Conversions

Conversions Part 1

Format	Color
Hex	AD6B0A
RGB	173, 107, 10
RGB Percent	68%, 42%, 4%
CMY	0.3216, 0.5804, 0.9608
CMYK	0.00, 0.38, 0.94, 0.32
HSL	36°, 89%, 36%
HSV	36°, 94%, 68%
XYZ	22.5461, 19.4215, 2.8476
YIQ	115.6760, 70.4730, -16.1750

Conversions

Conversions Part 2

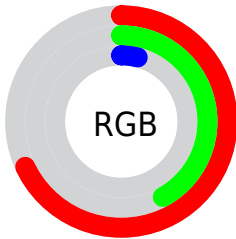
Format	Color
R_{YB}	121, 173, 10
Decimal	11365130
CIE _{Lab}	51.18, 19.96, 56.46
CIE _{LCh}	51, 59.881, 70.529
Yxy	19.4215, 0.5031, 0.4334
Android (android.graphics.Color)	4289555210 (0xFFAD6B0A)
YUV	115.6760, -52.0983, 50.2731
Hunter-Lab	44.0698, 14.1983, 27.0178

Details

The XYZ color **22.5461, 19.4215, 2.8476** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.2527, 8.2509, 40.5872**, and the grayscale version is **16.6412, 17.5078, 19.0660**.

A 20% lighter version of the original color is **47.0458, 42.5373, 11.1998**, and **8.6342, 6.7728, 0.8522** is the 20% darker color. If you saturate the color by 10%, you get **22.0791, 18.5753, 2.4217**, and if you desaturate by 10%, it is **23.4533, 21.0015, 3.8732**.

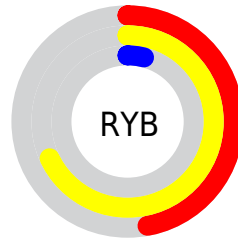
Distribution



Red (68%)

Green (42%)

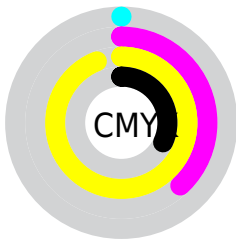
Blue (4%)



Red (47%)

Yellow (68%)

Blue (4%)

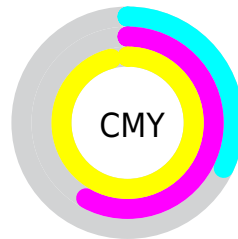


Cyan (0%)

Magenta (38%)

Yellow (94%)

Black (32%)



Cyan (32%)

Magenta (58%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5461, 19.4215, 2.8476 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 22.5461, 19.4215, 2.8476 by changing the saturation by 10% instead.

■ 22.5461, 19.4215,
2.8476

■ 22.5461, 19.4215,
2.8476

257.9641,
248.7659, 134.3953

■ 14.3776, 11.9752,
1.0174

■ 47.1191, 42.4451,
11.2500

■ 8.4672, 6.7268,
0.0000

■ 64.2543, 58.7913,
18.6593

■ 4.4496, 3.2918,
0.0000

■ 85.1090, 78.8729,
28.7652

■ 1.9595, 1.2859,
0.0000

■ 110.0487,
103.0743, 41.9865

■ 0.6111, 0.1303,
0.0000

■ 139.4388,
131.7799, 58.7416

■ 0.0000, 0.0000,
0.0000

■ 173.6444,

165.3741, 79.4491

213.0311,
204.2413, 104.5275

22.5461, 19.4215,
2.8476

22.5461, 19.4215,
2.8476

22.0791, 18.5753,
2.4217

23.4533, 21.0015,
3.8732

24.5387, 22.7488,
5.5408

25.8221, 24.6742,
7.9457

27.3196, 26.7862,
11.1671

29.0455, 29.0925,
15.2737

■ 31.0124, 31.6000,
20.3269

■ 33.2323, 34.3153,
26.3828

■ 35.7158, 37.2446,
33.4927

■ 38.4731, 40.3937,
41.7046

Harmonies

Analogous

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



28.6042, 19.4215, 6.1917



22.5461, 19.4215, 2.8476



16.4448, 19.4215, 2.5139

Triad

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



22.5461, 19.4215, 2.8476



9.3341, 19.4215, 27.7245



26.9467, 19.4215, 57.1558

Complementary

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



22.5461, 19.4215, 2.8476



10.2527, 8.2509, 40.5872

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.



20.6325, 19.4215, 72.5614



22.5461, 19.4215, 2.8476



11.0514, 19.4215, 50.4235

Square

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



22.5461, 19.4215, 2.8476



9.6305, 19.4215, 11.9899



14.8993, 19.4215, 69.5922



31.4991, 19.4215, 34.0716

Rectangle

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



22.5461, 19.4215, 2.8476



13.2317, 19.4215, 3.6086



14.8993, 19.4215, 69.5922



24.9097, 19.4215, 63.8478

Sweetspot

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



22.5465, 19.4225, 2.8480



57.7620, 59.3328, 42.3894



18.7144, 9.6504, 8.0692



12.1974, 12.4570, 8.2493



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.



22.5465, 19.4225, 2.8480



39.3264, 32.8350, 4.2651



29.3793, 37.3226, 5.9429



8.3865, 8.7779, 8.4656



16.2776, 13.7607, 1.7982



0.5047, 0.4865, 0.0673

Inverse Universe

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



10.2527, 8.2509, 40.5872



17.2379, 12.8616, 72.3798



8.0184, 3.4236, 39.7732



7.8352, 8.2697, 10.1359



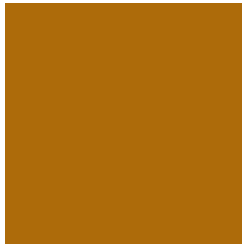
7.2056, 5.5451, 29.7350



0.2550, 0.2634, 0.8454

Previews

White Background



This preview shows how the XYZ color 22.5461, 19.4215, 2.8476 looks on a white 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

Black Background



This preview shows how the XYZ color 22.5461, 19.4215, 2.8476 looks on a black 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

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

XYZ 22.5461, 19.4215, 2.8476

Background



This preview shows how black text looks on a background with the XYZ color 22.5461, 19.4215, 2.8476.



This preview shows how white text looks on a background with the XYZ color 22.5461, 19.4215,

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

22.5461, 19.4215, 2.8476

Protanopia

17.6577, 19.6066, 3.3440

Deuteranopia

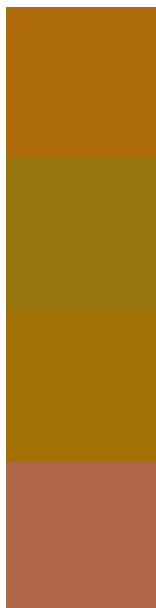
19.7630, 19.4593, 2.7144



Tritanopia

25.3425, 19.5230, 16.3425

Trichromacy



Original Color

22.5461, 19.4215, 2.8476

Protanomaly

19.2031, 19.3336, 3.1351

Deuteranomaly

20.8273, 19.5004, 2.7811

Tritanomaly

23.9244, 19.3985, 8.6142

Monochromacy



Original Color

22.5461, 19.4215, 2.8476

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.5612, 17.6644, 9.5052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5461, 19.4215, 2.8476 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(173, 107, 10)` looks like.

```
.text, #text, p{  
    color:rgb(173, 107, 10)  
}
```

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(173, 107, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 107, 10) }
```

Border

The CSS property to change the border of an element to XYZ 22.5461, 19.4215, 2.8476 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(173, 107, 10) }
```


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

```
.border{ border-color:rgb(173, 107, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 107, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 107, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 107, 10);  
box-shadow:4px 4px 4px 4px rgb(173, 107,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5461, 19.4215, 2.8476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 107, 10) }
```

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

```
.background{ background-color: rgb(173,  
107, 10) }
```

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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