

Converting Colors

XYZ(22.5075, 23.9124, 3.4174)

Have a look what the booklet for
XYZ(22.5075, 23.9124, 3.4174)
contains.

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Color

**XYZ(22.5493, 23.8735,
3.4196)**

Conversions

Conversions Part 1

Format	Color
Hex	9F8400
RGB	159, 132, 0
RGB Percent	62%, 52%, 0%
CMY	0.3765, 0.4823, 1.0000
CMYK	0.00, 0.17, 1.00, 0.38
HSL	50°, 100%, 31%
HSV	50°, 100%, 62%
XYZ	22.5493, 23.8735, 3.4196
YIQ	125.0250, 58.4640, -35.3280

Conversions

Conversions Part 2

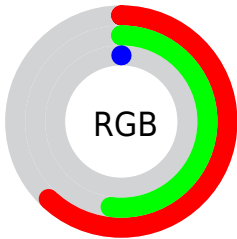
Format	Color
R_YB	33, 159, 0
Decimal	10454016
CIE Lab	55.96, -0.65, 60.97
CIE LCh	56, 60.973, 90.608
Yxy	23.8735, 0.4524, 0.4790
Android (android.graphics.Color)	4288644096 (0xFF9F8400)
YUV	125.0250, -61.6373, 29.7961
Hunter-Lab	48.8605, -3.1275, 30.0528

Details

The XYZ color **22.5493, 23.8735, 3.4196** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.6501, 3.2873, 33.0844**, and the grayscale version is **19.6897, 20.7151, 22.5588**.

A 20% lighter version of the original color is **47.3058, 50.0207, 12.6305**, and **8.6868, 9.0701, 1.2929** is the 20% darker color. If you saturate the color by 10%, you get **22.5495, 23.8742, 3.4197**, and if you desaturate by 10%, it is **23.0135, 24.6535, 4.0324**.

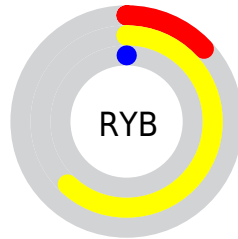
Distribution



Red (62%)

Green (52%)

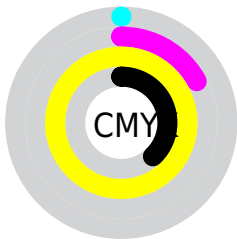
Blue (0%)



Red (13%)

Yellow (62%)

Blue (0%)

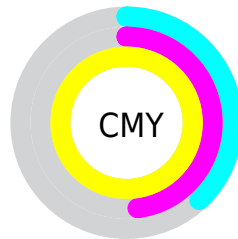


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5493, 23.8735, 3.4196 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 22.5493, 23.8735, 3.4196 by changing the saturation by 10% instead.

■ 22.5493, 23.8735,
3.4196

■ 22.5493, 23.8735,
3.4196

257.9804,
272.1803, 141.5375

■ 14.3799, 15.2398,
1.3127

■ 47.1243, 49.8237,
12.6474

■ 8.4688, 8.9879,
0.0721

■ 64.2607, 67.9090,
20.6053

■ 4.4507, 4.7333,
0.0000

■ 85.1168, 89.9136,
31.3507

■ 1.9601, 2.0916,
0.0000

■ 110.0580,
116.2219, 45.3020


■ 0.6114, 0.6599,
0.0000


■ 139.4495,
147.2184, 62.8778


■ 0.0000, 0.0000,
0.0000

■ 173.6569,


183.2873, 84.4966


 213.0454,
224.8132, 110.5770


 22.5493, 23.8735,
3.4196


 22.5493, 23.8735,
3.4196


 22.5495, 23.8742,
3.4197

 23.0135, 24.6535,
4.0324

 23.5592, 25.4805,
5.0295

 24.2186, 26.3683,
6.5782

 25.0052, 27.3224,
8.7484

 25.9302, 28.3476,
11.5998

■ 27.0038, 29.4479,
15.1852

■ 28.2350, 30.6270,
19.5520

■ 29.6323, 31.8885,
24.7437

■ 31.2032, 33.2354,
30.8006

Harmonies

Analogous

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



29.9124, 23.8735, 4.8601



22.5493, 23.8735, 3.4196



16.5368, 23.8735, 4.9943

Triad

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



22.5493, 23.8735, 3.4196



13.0126, 23.8735, 50.7971



36.4611, 23.8735, 49.7037

Complementary

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



22.5493, 23.8735, 3.4196



6.6501, 3.2873, 33.0844

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.



30.2091, 23.8735, 74.8963



22.5493, 23.8735, 3.4196



16.7369, 23.8735, 75.7230

Square

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



22.5493, 23.8735, 3.4196



11.7681, 23.8735, 26.4031



22.8334, 23.8735, 86.2321



38.8743, 23.8735, 25.5895

Rectangle

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



22.5493, 23.8735, 3.4196



13.8410, 23.8735, 8.4698



22.8334, 23.8735, 86.2321



34.6833, 23.8735, 58.6889

Sweetspot

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



22.5498, 23.8747, 3.4201



50.4320, 54.7252, 34.5256



14.5217, 7.4605, 1.8473



11.1661, 12.1455, 7.0522



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.



22.5498, 23.8747, 3.4201



40.2604, 42.5083, 6.0830



18.6620, 28.0252, 4.4261



7.0743, 7.5286, 7.0660



17.8370, 18.9096, 2.7098



0.3421, 0.3844, 0.0562

Inverse Universe

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



6.6501, 3.2873, 33.0844



11.8106, 5.6892, 59.2191



7.5911, 3.1906, 33.0162



6.3713, 6.6083, 8.3464



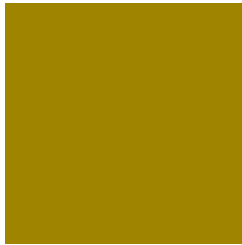
5.2745, 2.6406, 26.1389



0.1166, 0.0917, 0.4748

Previews

White Background



This preview shows how the XYZ color 22.5493, 23.8735, 3.4196 looks on a white background.

Color Contrast Check

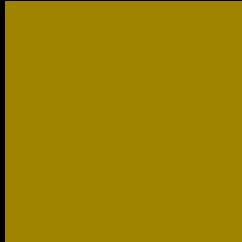
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5493, 23.8735, 3.4196 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 22.5493, 23.8735, 3.4196

Background



This preview shows how black text looks on a background with the XYZ color 22.5493, 23.8735, 3.4196.

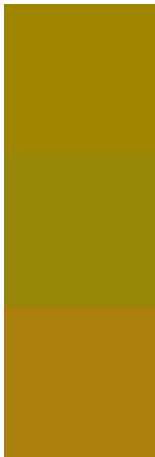


This preview shows how white text looks on a background with the XYZ color 22.5493, 23.8735,

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

22.5493, 23.8735, 3.4196

Protanopia

21.6457, 24.0165, 3.6671

Deuteranopia

24.2462, 23.7565, 3.7230



Tritanopia

26.9737, 23.9389, 25.0288

Trichromacy



Original Color

22.5493, 23.8735, 3.4196

Protanomaly

22.0646, 24.0275, 3.5897

Deuteranomaly

23.6254, 23.8272, 3.6124

Tritanomaly

24.1653, 23.3483, 11.6205

Monochromacy



Original Color

22.5493, 23.8735, 3.4196

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.4837, 21.3359, 10.6808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5493, 23.8735, 3.4196 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(159, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 132, 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(159, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.5493, 23.8735, 3.4196 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(159, 132, 0) }
```


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

```
.border{ border-color:rgb(159, 132, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 132, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 132,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5493, 23.8735, 3.4196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 132, 0) }
```

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

```
.background{ background-color: rgb(159,  
132, 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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