

Converting Colors

XYZ(23.2747, 25.5881, 3.7123)

Have a look what the booklet for
XYZ(23.2747, 25.5881, 3.7123)
contains.

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Color

**XYZ(23.1890, 25.4461,
3.6894)**

Conversions

Conversions Part 1

Format	Color
Hex	9E8A00
RGB	158, 138, 0
RGB Percent	62%, 54%, 0%
CMY	0.3804, 0.4588, 1.0000
CMYK	0.00, 0.13, 1.00, 0.38
HSL	52°, 100%, 31%
HSV	52°, 100%, 62%
XYZ	23.1890, 25.4461, 3.6894
YIQ	128.2480, 56.2180, -38.6780

Conversions

Conversions Part 2

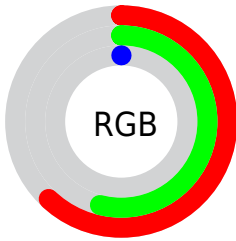
Format	Color
R _Y B	23, 158, 0
Decimal	10390016
CIE Lab	57.51, -4.41, 62.02
CIE LCh	58, 62.175, 94.071
Yxy	25.4461, 0.4432, 0.4863
Android (android.graphics.Color)	4288580096 (0xFF9E8A00)
YUV	128.2480, -63.2263, 26.0925
Hunter-Lab	50.4441, -6.2214, 30.9745

Details

The XYZ color **23.1890, 25.4461, 3.6894** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.4218, 2.9691, 32.5820**, and the grayscale version is **20.8043, 21.8877, 23.8357**.

A 20% lighter version of the original color is **48.0552, 52.3027, 13.3570**, and **9.0519, 9.9695, 1.4472** is the 20% darker color. If you saturate the color by 10%, you get **23.1893, 25.4469, 3.6895**, and if you desaturate by 10%, it is **23.5712, 26.0633, 4.2712**.

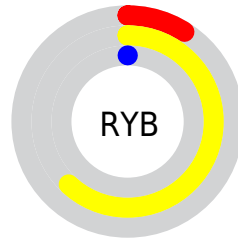
Distribution



Red (62%)

Green (54%)

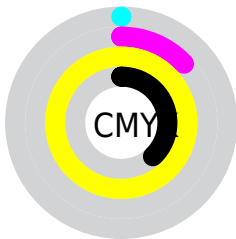
Blue (0%)



Red (9%)

Yellow (62%)

Blue (0%)

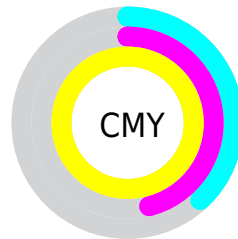


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1890, 25.4461, 3.6894 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 23.1890, 25.4461, 3.6894 by changing the saturation by 10% instead.

■ 23.1890, 25.4461,
3.6894

■ 23.1890, 25.4461,
3.6894

261.2115,
280.0523, 144.7078

■ 14.8546, 16.4097,
1.4565

■ 48.1679, 52.3800,
13.2868

■ 8.8030, 9.8145,
0.1852

■ 65.5430, 71.0463,
21.4885

■ 4.6690, 5.2762,
0.0000

■ 86.6625, 93.6914,
32.5169

■ 2.0871, 2.4102,
0.0000

■ 111.8915,
120.6997, 46.7904


■ 0.6822, 0.8311,
0.0000


■ 141.5956,
152.4555, 64.7278


■ 0.0000, 0.0000,
0.0000


■ 176.1401,


189.3433, 86.7474


 215.8903,
231.7474, 113.2679


 23.1890, 25.4461,
3.6894


 23.1890, 25.4461,
3.6894


 23.1893, 25.4469,
3.6895

 23.5712, 26.0633,
4.2712

 24.0294, 26.7183,
5.2296

 24.5955, 27.4251,
6.7302

 25.2828, 28.1889,
8.8419

 26.1023, 29.0143,
11.6236

■ 27.0640, 29.9051,
15.1271

■ 28.1767, 30.8651,
19.3990

■ 29.4486, 31.8976,
24.4823

■ 30.8872, 33.0055,
30.4166

Harmonies

Analogous

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



30.9610, 25.4461, 4.8345



23.1890, 25.4461, 3.6894



17.0540, 25.4461, 5.7959

Triad

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



23.1890, 25.4461, 3.6894



14.2048, 25.4461, 57.4041



39.3835, 25.4461, 49.6350

Complementary

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



23.1890, 25.4461, 3.6894



6.4218, 2.9691, 32.5820

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.



33.0713, 25.4461, 77.0698



23.1890, 25.4461, 3.6894



18.4789, 25.4461, 82.9383

Square

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



23.1890, 25.4461, 3.6894



12.5820, 25.4461, 30.7032



25.2107, 25.4461, 91.5314



41.3494, 25.4461, 24.9114

Rectangle

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



23.1890, 25.4461, 3.6894



14.3914, 25.4461, 10.0060



25.2107, 25.4461, 91.5314



37.6441, 25.4461, 59.1828

Sweetspot

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



23.1896, 25.4473, 3.6899



51.0417, 55.9448, 34.7288



14.2365, 7.3237, 1.3764



11.3202, 12.4537, 7.1035



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.



23.1896, 25.4473, 3.6899



42.0107, 46.0089, 6.6664



17.4900, 27.1667, 4.3222



7.0985, 7.5770, 7.0740



18.5923, 20.4202, 2.9616



0.3505, 0.4013, 0.0590

Inverse Universe

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



6.4218, 2.9691, 32.5820



11.5800, 5.2280, 59.1422



7.9130, 3.3666, 32.5801



6.3491, 6.5639, 8.3390



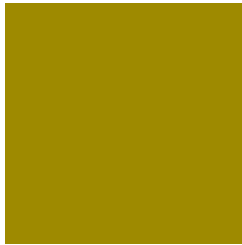
5.1603, 2.4121, 26.1008



0.1094, 0.0774, 0.4724

Previews

White Background



This preview shows how the XYZ color 23.1890, 25.4461, 3.6894 looks on a white background.

Color Contrast Check

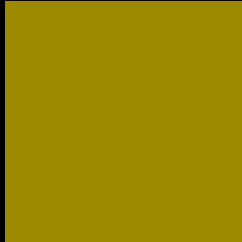
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1890, 25.4461, 3.6894 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 23.1890, 25.4461, 3.6894

Background



This preview shows how black text looks on a background with the XYZ color 23.1890, 25.4461, 3.6894.

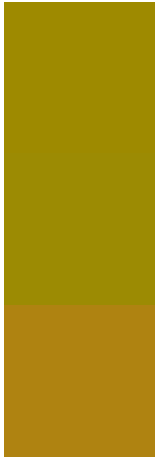


This preview shows how white text looks on a background with the XYZ color 23.1890, 25.4461,

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

23.1890, 25.4461, 3.6894

Protanopia

22.9594, 25.5397, 3.8057

Deuteranopia

25.8967, 25.3870, 4.0656



Tritanopia

28.0325, 25.3803, 27.4662

Trichromacy



Original Color

23.1890, 25.4461, 3.6894

Protanomaly

23.1482, 25.6377, 3.7860

Deuteranomaly

24.9477, 25.5094, 3.9255

Tritanomaly

25.1170, 24.9936, 12.7330

Monochromacy



Original Color

23.1890, 25.4461, 3.6894

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3839, 22.5856, 11.0697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1890, 25.4461, 3.6894 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(158, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 138, 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(158, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.1890, 25.4461, 3.6894 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(158, 138, 0) }
```


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

```
.border{ border-color:rgb(158, 138, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1890, 25.4461, 3.6894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 138, 0) }
```

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

```
.background{ background-color: rgb(158,  
138, 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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