

Converting Colors

XYZ(22.9393, 25.7893, 2.5405)

Have a look what the booklet for
XYZ(22.9393, 25.7893, 2.5405)
contains.

XYZ(23.0884, 25.8241, 3.7677)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.0884, 25.8241,
3.7677)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8C00
RGB	156, 140, 0
RGB Percent	61%, 55%, 0%
CMY	0.3882, 0.4510, 1.0000
CMYK	0.00, 0.10, 1.00, 0.39
HSL	54°, 100%, 31%
HSV	54°, 100%, 61%
XYZ	23.0884, 25.8241, 3.7677
YIQ	128.8240, 54.4760, -40.1480

Conversions

Conversions Part 2

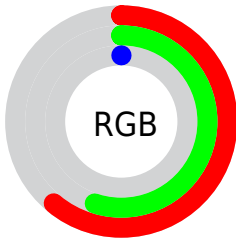
Format	Color
R _Y B	18, 156, 0
Decimal	10259456
CIE Lab	57.87, -6.43, 62.19
CIE LCh	58, 62.520, 95.901
Yxy	25.8241, 0.4383, 0.4902
Android (android.graphics.Color)	4288449536 (0xFF9C8C00)
YUV	128.8240, -63.5102, 23.8334
Hunter-Lab	50.8174, -7.8307, 31.1763

Details

The XYZ color **23.0884, 25.8241, 3.7677** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.1862, 2.7712, 31.6611**, and the grayscale version is **21.0076, 22.1016, 24.0687**.

A 20% lighter version of the original color is **47.9070, 52.8783, 13.4759**, and **8.9117, 10.0217, 1.4647** is the 20% darker color. If you saturate the color by 10%, you get **23.0887, 25.8249, 3.7678**, and if you desaturate by 10%, it is **23.4150, 26.3325, 4.3237**.

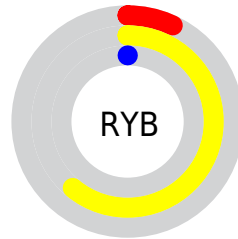
Distribution



Red (61%)

Green (55%)

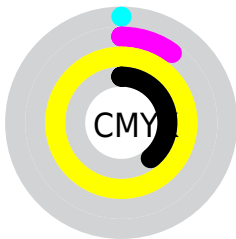
Blue (0%)



Red (7%)

Yellow (61%)

Blue (0%)

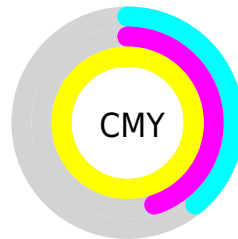


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0884, 25.8241, 3.7677 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 23.0884, 25.8241, 3.7677 by changing the saturation by 10% instead.


 23.0884, 25.8241,
3.7677


 23.0884, 25.8241,
3.7677


260.7056,
281.9175, 145.6073

 14.7798, 16.6921,
1.4988


 48.0040, 52.9910,
13.4704


 8.7503, 10.0152,
0.2170


 65.3418, 71.7948,
21.7412


 4.6345, 5.4090,
0.0000

 86.4201, 94.5912,
32.8498

 2.0670, 2.4892,
0.0000

 111.6041,
121.7647, 47.2146

 0.6712, 0.8712,
0.0000

 141.2593,
153.6997, 65.2542

 0.0000, 0.0000,
0.0000

 175.7511,

190.7806, 87.3872

■ 215.4447,
233.3917, 114.0320

■ 23.0884, 25.8241,
3.7677

■ 23.0884, 25.8241,
3.7677

■ 23.0887, 25.8249,
3.7678

■ 23.4150, 26.3325,
4.3237

■ 23.8134, 26.8740,
5.2431

■ 24.3149, 27.4623,
6.6887

■ 24.9321, 28.1024,
8.7271

■ 25.6761, 28.7987,
11.4154

■ 26.5562, 29.5550,
14.8036

■ 27.5810, 30.3748,
18.9371

■ 28.7586, 31.2612,
23.8573

■ 30.0961, 32.2173,
29.6027

Harmonies

Analogous

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



30.9347, 25.8241, 4.7268



23.0884, 25.8241, 3.7677



17.0055, 25.8241, 6.1457

Triad

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



23.0884, 25.8241, 3.7677



14.5972, 25.8241, 60.0589



40.2503, 25.8241, 48.6410

Complementary

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



23.0884, 25.8241, 3.7677



6.1862, 2.7712, 31.6611

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.



34.0369, 25.8241, 76.7651



23.0884, 25.8241, 3.7677



19.1021, 25.8241, 85.3845

Square

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



23.0884, 25.8241, 3.7677



12.7892, 25.8241, 32.5935



26.0617, 25.8241, 92.6918



41.9188, 25.8241, 24.0722

Rectangle

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



23.0884, 25.8241, 3.7677



14.4136, 25.8241, 10.7062



26.0617, 25.8241, 92.6918



38.5698, 25.8241, 58.3073

Sweetspot

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



23.0890, 25.8253, 3.7682



49.9758, 55.0768, 33.9041



13.8212, 7.1125, 1.2257



10.8314, 11.9890, 6.7869



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.0890, 25.8253, 3.7682



41.8522, 46.7381, 6.8155



16.7338, 26.2747, 4.1899



7.1120, 7.6041, 7.0786



19.0328, 21.3012, 3.1084



0.3554, 0.4110, 0.0606

Inverse Universe

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



6.1862, 2.7712, 31.6611



11.1658, 4.8930, 57.4827



7.8527, 3.3552, 31.6860



6.3368, 6.5393, 8.3349



5.1086, 2.3088, 26.0836



0.1054, 0.0694, 0.4711

Previews

White Background



This preview shows how the XYZ color 23.0884, 25.8241, 3.7677 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 23.0884, 25.8241, 3.7677 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 23.0884, 25.8241, 3.7677

Background



This preview shows how black text looks on a background with the XYZ color 23.0884, 25.8241, 3.7677.



This preview shows how white text looks on a background with the XYZ color 23.0884, 25.8241,

3.7677.

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

23.0884, 25.8241, 3.7677

Protanopia

23.2827, 25.9243, 3.7768

Deuteranopia

26.2649, 25.7763, 4.1633



Tritanopia

28.0261, 25.7512, 28.3043

Trichromacy



Original Color

23.0884, 25.8241, 3.7677

Protanomaly

23.2827, 25.9243, 3.7768

Deuteranomaly

25.0866, 25.7871, 3.9718

Tritanomaly

25.0262, 25.3485, 13.0249

Monochromacy



Original Color

23.0884, 25.8241, 3.7677

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5580, 22.8732, 11.3141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0884, 25.8241, 3.7677 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(156, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 140, 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(156, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.0884, 25.8241, 3.7677 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(156, 140, 0) }
```


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

```
.border{ border-color:rgb(156, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 140,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0884, 25.8241, 3.7677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 140, 0) }
```

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

```
.background{ background-color: rgb(156,  
140, 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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