

Converting Colors

XYZ(22.5715, 29.4259, 1.9359)

Have a look what the booklet for
XYZ(22.5715, 29.4259, 1.9359)
contains.

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Color

**XYZ(23.0438, 29.5277,
4.4849)**

Conversions

Conversions Part 1

Format	Color
Hex	8E9C00
RGB	142, 156, 0
RGB Percent	56%, 61%, 0%
CMY	0.4431, 0.3882, 0.9999
CMYK	0.09, 0.00, 1.00, 0.39
HSL	65°, 100%, 31%
HSV	65°, 100%, 61%
XYZ	23.0438, 29.5277, 4.4849
YIQ	134.0300, 41.7320, -51.4840

Conversions

Conversions Part 2

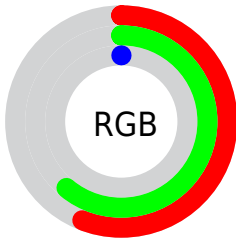
Format	Color
RYB	0, 156, 14
Decimal	9346048
CIELab	61.24, -21.18, 64.11
CIELCh	61, 67.516, 108.278
Yxy	29.5277, 0.4039, 0.5175
Android (android.graphics.Color)	4287536128 (0xFF8E9C00)
YUV	134.0300, -66.0768, 6.9897
Hunter-Lab	54.3394, -19.3971, 33.1441

Details

The XYZ color **23.0438, 29.5277, 4.4849** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.1826, 2.4943, 31.6099**, and the grayscale version is **22.8969, 24.0894, 26.2333**.

A 20% lighter version of the original color is **47.8024, 58.7163, 15.1173**, and **8.9821, 12.1294, 1.8678** is the 20% darker color. If you saturate the color by 10%, you get **23.0442, 29.5289, 4.4851**, and if you desaturate by 10%, it is **23.3769, 29.6900, 4.9739**.

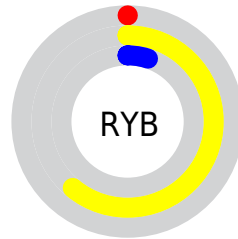
Distribution



Red (56%)

Green (61%)

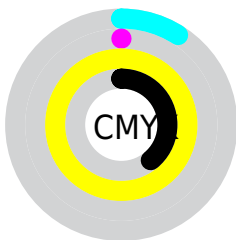
Blue (0%)



Red (0%)

Yellow (61%)

Blue (5%)

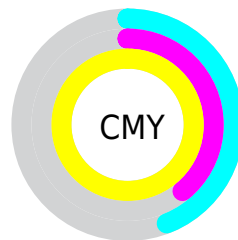


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (44%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0438, 29.5277, 4.4849 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 23.0438, 29.5277, 4.4849 by changing the saturation by 10% instead.


 23.0438, 29.5277,
4.4849


 23.0438, 29.5277,
4.4849


260.4810,
299.6967, 153.4715


 14.7467, 19.4804,
1.8950


 47.9314, 58.9145,
15.1135


 8.7270, 12.0179,
0.4895


 65.2526, 79.0227,
23.9892


 4.6192, 6.7559,
0.0000


 86.3125, 103.2533,
35.7973

 2.0581, 3.3099,
0.0000

 111.4766,
131.9908, 50.9562

 0.6663, 1.2956,
0.0000

 141.1101,
165.6195, 69.8845

 0.0000, 0.1378,
0.0000

 175.5784,

 0.0000, 0.0000,

204.5237, 93.0009

0.0000

215.2470,
249.0880, 120.7237

23.0438, 29.5277,
4.4849

23.0438, 29.5277,
4.4849

23.0442, 29.5289,
4.4851

23.3769, 29.6900,
4.9739

23.7813, 29.8800,
5.8252

24.2884, 30.1115,
7.2018

24.9109, 30.3895,
9.1703

25.6597, 30.7184,
11.7876

■ 26.5443, 31.1019,
15.1039

■ 27.5733, 31.5436,
19.1645

■ 28.7546, 32.0465,
24.0110

■ 30.0955, 32.6136,
29.6816

Harmonies

Analogous

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



31.6786, 29.5277, 4.1067



23.0438, 29.5277, 4.4849



17.1534, 29.5277, 9.3535

Triad

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



23.0438, 29.5277, 4.4849



18.1671, 29.5277, 84.1974



48.3213, 29.5277, 43.1426

Complementary

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



23.0438, 29.5277, 4.4849



6.1826, 2.4943, 31.6099

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.



42.8345, 29.5277, 76.9056



23.0438, 29.5277, 4.4849



24.7375, 29.5277, 107.7248

Square

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



23.0438, 29.5277, 4.4849



14.7746, 29.5277, 50.0537



33.7677, 29.5277, 104.5162



47.5989, 29.5277, 19.1242

Rectangle

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



23.0438, 29.5277, 4.4849



15.0046, 29.5277, 17.2371



33.7677, 29.5277, 104.5162



47.1017, 29.5277, 53.8549

Sweetspot

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



23.0445, 29.5291, 4.4855



49.9579, 57.2374, 34.3221



13.8553, 7.3565, 0.6901



10.8269, 12.5236, 6.8903



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.



23.0445, 29.5291, 4.4855



41.7662, 53.5855, 8.1417



14.0698, 24.9025, 4.0655



7.1114, 7.6901, 7.0952



18.9953, 24.3291, 3.6948



0.3551, 0.4430, 0.0668

Inverse Universe

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



6.1826, 2.4943, 31.6099



11.1545, 4.4913, 57.4057



10.3164, 4.6253, 31.8033



6.3372, 6.4623, 8.3200



5.1061, 2.0613, 26.0360



0.1056, 0.0442, 0.4662

Previews

White Background



This preview shows how the XYZ color 23.0438, 29.5277, 4.4849 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 23.0438, 29.5277, 4.4849 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 23.0438, 29.5277, 4.4849

Background



This preview shows how black text looks on a background with the XYZ color 23.0438, 29.5277, 4.4849.



This preview shows how white text looks on a background with the XYZ color 23.0438, 29.5277,

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

23.0438, 29.5277, 4.4849

Protanopia

26.5263, 29.3953, 4.2758

Deuteranopia

29.8142, 29.2699, 5.0555



Tritanopia

29.2630, 29.4234, 35.5894

Trichromacy



Original Color

23.0438, 29.5277, 4.4849

Protanomaly

25.1672, 29.4023, 4.3488

Deuteranomaly

26.9576, 29.1443, 4.7349

Tritanomaly

25.3940, 28.7853, 16.0221

Monochromacy



Original Color

23.0438, 29.5277, 4.4849

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.6292, 25.3202, 12.3416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0438, 29.5277, 4.4849 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(142, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 156, 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(142, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 156, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.0438, 29.5277, 4.4849 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(142, 156, 0) }
```


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

```
.border{ border-color:rgb(142, 156, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 156,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0438, 29.5277, 4.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 156, 0) }
```

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

```
.background{ background-color: rgb(142,  
156, 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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