

Converting Colors

XYZ(23.9239, 24.5408, 4.3680)

Have a look what the booklet for
XYZ(23.9239, 24.5408, 4.3680)
contains.

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Color

**XYZ(23.9438, 24.5720,
4.4006)**

Conversions

Conversions Part 1

Format	Color
Hex	A58419
RGB	165, 132, 25
RGB Percent	65%, 52%, 10%
CMY	0.3529, 0.4823, 0.9019
CMYK	0.00, 0.20, 0.85, 0.35
HSL	46°, 74%, 37%
HSV	46°, 85%, 65%
XYZ	23.9438, 24.5720, 4.4006
YIQ	129.6690, 54.0150, -26.2810

Conversions

Conversions Part 2

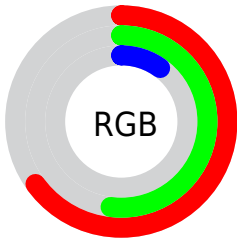
Format	Color
R_{YB}	68, 165, 25
Decimal	10847257
CIE _{Lab}	56.66, 2.61, 56.63
CIE _{LCh}	57, 56.694, 87.361
Yxy	24.5720, 0.4525, 0.4644
Android (android.graphics.Color)	4289037337 (0xFFA58419)
YUV	129.6690, -51.6018, 30.9853
Hunter-Lab	49.5702, -0.5272, 29.4356

Details

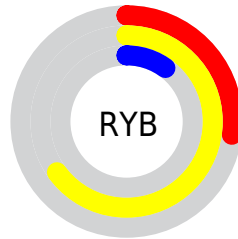
The XYZ color **23.9438, 24.5720, 4.4006** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.7056, 5.9495, 36.2867**, and the grayscale version is **21.2649, 22.3723, 24.3634**.

A 20% lighter version of the original color is **49.5746, 51.1393, 15.0426**, and **9.3999, 9.4377, 1.3262** is the 20% darker color. If you saturate the color by 10%, you get **23.2978, 23.4864, 3.5496**, and if you desaturate by 10%, it is **24.7152, 25.7412, 5.8102**.

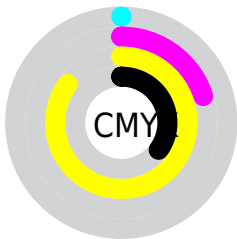
Distribution



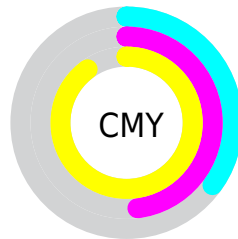
- Red (65%)
- Green (52%)
- Blue (10%)



- Red (27%)
- Yellow (65%)
- Blue (10%)



- Cyan (0%)
- Magenta (20%)
- Yellow (85%)
- Black (35%)



- Cyan (35%)
- Magenta (48%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9438, 24.5720, 4.4006 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 23.9438, 24.5720, 4.4006 by changing the saturation by 10% instead.

■ 23.9438, 24.5720,
4.4006

■ 23.9438, 24.5720,
4.4006

264.9820,
275.6997, 152.5791

■ 15.4164, 15.7585,
1.8476

■ 49.3938, 50.9620,
14.9236

■ 9.2004, 9.3534,
0.4591

■ 67.0472, 69.3073,
23.7307

■ 4.9303, 4.9724,
0.0000

■ 88.4733, 91.5986,
35.4595

■ 2.2407, 2.2311,
0.0000

■ 114.0375,
118.2204, 50.5287

■ 0.7641, 0.7369,
0.0000

■ 144.1051,
149.5570, 69.3566

■ 0.0000, 0.0000,
0.0000

■ 179.0414,

185.9928, 92.3620

219.2120,
227.9123, 119.9633

23.9438, 24.5720,
4.4006

23.9438, 24.5720,
4.4006

23.2978, 23.4864,
3.5496

24.7152, 25.7412,
5.8102

22.9920, 22.9494,
3.2179

25.6271, 26.9974,
7.8640

26.6936, 28.3475,
10.6328

27.9265, 29.7967,
14.1781

29.3364, 31.3494,
18.5544

■ 30.9330, 33.0099,
23.8116

■ 32.7250, 34.7819,
29.9953

■ 34.7209, 36.6692,
37.1483

■ 36.9282, 38.6750,
45.3104

Harmonies

Analogous

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



30.8856, 24.5720, 6.3422



23.9438, 24.5720, 4.4006



17.9970, 24.5720, 5.7230

Triad

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



23.9438, 24.5720, 4.4006



13.8041, 24.5720, 47.1634



35.7469, 24.5720, 51.5181

Complementary

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



23.9438, 24.5720, 4.4006



8.7056, 5.9495, 36.2867

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.



29.6829, 24.5720, 73.7215



23.9438, 24.5720, 4.4006



17.1602, 24.5720, 70.4830

Square

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



23.9438, 24.5720, 4.4006



12.8377, 24.5720, 25.1169



22.7758, 24.5720, 81.9195



38.4548, 24.5720, 28.4623

Rectangle

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



23.9438, 24.5720, 4.4006



15.2116, 24.5720, 8.9211



22.7758, 24.5720, 81.9195



33.9835, 24.5720, 59.6751

Sweetspot

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



23.9444, 24.5732, 4.4011



55.2140, 58.9308, 42.0213



16.6804, 9.0211, 5.1375



11.8564, 12.6635, 8.4706



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.9444, 24.5732, 4.4011



41.0145, 40.7753, 5.7087



22.8367, 31.7263, 5.8401



7.5073, 7.9530, 7.5195



17.4334, 17.4406, 2.4475



0.3989, 0.4317, 0.0623

Inverse Universe

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



8.7056, 5.9495, 36.2867



13.3246, 7.1882, 64.4375



9.0029, 4.3728, 35.9667



6.8297, 7.1184, 8.9171



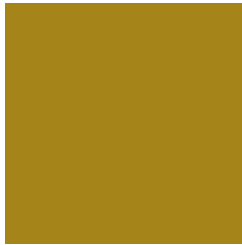
5.7173, 3.2140, 27.2488



0.1536, 0.1345, 0.5837

Previews

White Background



This preview shows how the XYZ color 23.9438, 24.5720, 4.4006 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 23.9438, 24.5720, 4.4006 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 23.9438, 24.5720, 4.4006

Background



This preview shows how black text looks on a background with the XYZ color 23.9438, 24.5720, 4.4006.



This preview shows how white text looks on a background with the XYZ color 23.9438, 24.5720,

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

23.9438, 24.5720, 4.4006

Protanopia

22.2690, 24.7382, 4.5785

Deuteranopia

25.0613, 24.5503, 4.4547



Tritanopia

28.2611, 24.6025, 25.0890

Trichromacy



Original Color

23.9438, 24.5720, 4.4006

Protanomaly

22.7551, 24.5706, 4.5206

Deuteranomaly

24.5313, 24.4749, 4.4085

Tritanomaly

25.7988, 24.1470, 13.6570

Monochromacy



Original Color

23.9438, 24.5720, 4.4006

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3758, 22.8449, 13.4081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9438, 24.5720, 4.4006 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(165, 132, 25)` looks like.

```
.text, #text, p{  
    color:rgb(165, 132, 25)  
}
```

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(165, 132, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 132, 25) }
```

Border

The CSS property to change the border of an element to XYZ 23.9438, 24.5720, 4.4006 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(165, 132, 25) }
```


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

```
.border{ border-color:rgb(165, 132, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 132, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 132, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 132, 25);  
box-shadow:4px 4px 4px 4px rgb(165, 132,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9438, 24.5720, 4.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 132, 25) }
```

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

```
.background{ background-color: rgb(165,  
132, 25) }
```

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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