

Converting Colors

XYZ(23.0659, 24.4732, 4.6674)

Have a look what the booklet for
XYZ(23.0659, 24.4732, 4.6674)
contains.

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Color

**XYZ(23.0449, 24.5098,
4.6787)**

Conversions

Conversions Part 1

Format	Color
Hex	9F861D
RGB	159, 134, 29
RGB Percent	62%, 53%, 11%
CMY	0.3765, 0.4745, 0.8863
CMYK	0.00, 0.16, 0.82, 0.38
HSL	48°, 69%, 37%
HSV	48°, 82%, 62%
XYZ	23.0449, 24.5098, 4.6787
YIQ	129.5050, 48.6050, -27.3550

Conversions

Conversions Part 2

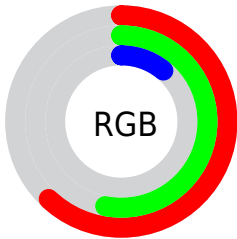
Format	Color
R_{YB}	60, 159, 29
Decimal	10454557
CIE _{Lab}	56.59, -1.13, 55.11
CIE _{LCh}	57, 55.123, 91.172
Yxy	24.5098, 0.4412, 0.4692
Android (android.graphics.Color)	4288644637 (0xFF9F861D)
YUV	129.5050, -49.5490, 25.8671
Hunter-Lab	49.5074, -3.5490, 29.0520

Details

The XYZ color **23.0449, 24.5098, 4.6787** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.0839, 5.4028, 33.4173**, and the grayscale version is **21.2012, 22.3053, 24.2904**.

A 20% lighter version of the original color is **47.9469, 50.9169, 15.4845**, and **8.8420, 9.3806, 1.3446** is the 20% darker color. If you saturate the color by 10%, you get **22.4805, 23.6186, 3.7583**, and if you desaturate by 10%, it is **23.7242, 25.4684, 6.1385**.

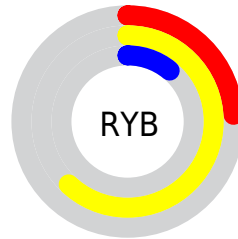
Distribution



Red (62%)

Green (53%)

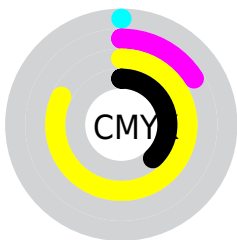
Blue (11%)



Red (24%)

Yellow (62%)

Blue (11%)

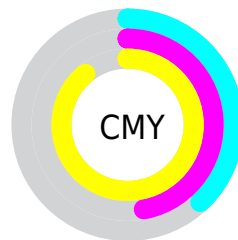


Cyan (0%)

Magenta (16%)

Yellow (82%)

Black (38%)



Cyan (38%)

Magenta (47%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0449, 24.5098, 4.6787 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 23.0449, 24.5098, 4.6787 by changing the saturation by 10% instead.

■ 23.0449, 24.5098,
4.6787

■ 23.0449, 24.5098,
4.6787

260.4866,
275.3878, 155.4943

■ 14.7475, 15.7122,
2.0046

■ 47.9332, 50.8609,
15.5470

■ 8.7276, 9.3207,
0.5581

■ 65.2548, 69.1831,
24.5784

■ 4.6196, 4.9510,
0.0000

■ 86.3152, 91.4491,
36.5658

■ 2.0583, 2.2185,
0.0000

■ 111.4797,
118.0431, 51.9280

■ 0.6664, 0.7301,
0.0000

■ 141.1138,
149.3496, 71.0834

■ 0.0000, 0.0000,
0.0000

■ 175.5827,

185.7529, 94.4505

215.2518,
227.6375, 122.4480

■ 23.0449, 24.5098,
4.6787

■ 23.0449, 24.5098,
4.6787

■ 22.4805, 23.6186,
3.7583

■ 23.7242, 25.4684,
6.1385

■ 22.0730, 22.9209,
3.2608

■ 24.5304, 26.4966,
8.2088

■ 25.4760, 27.6003,
10.9513

■ 26.5711, 28.7839,
14.4197

■ 27.8251, 30.0512,
18.6625

■ 29.2464, 31.4058,
23.7236

■ 30.8428, 32.8509,
29.6441

■ 32.6218, 34.3897,
36.4618

■ 34.5901, 36.0249,
44.2127

Harmonies

Analogous

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



29.7508, 24.5098, 6.1825



23.0449, 24.5098, 4.6787



17.4866, 24.5098, 6.4586

Triad

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



23.0449, 24.5098, 4.6787



14.2698, 24.5098, 49.4143



35.8320, 24.5098, 47.5545

Complementary

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



23.0449, 24.5098, 4.6787



8.0839, 5.4028, 33.4173

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.



30.2672, 24.5098, 69.6519



23.0449, 24.5098, 4.6787



17.8494, 24.5098, 71.0281

Square

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



23.0449, 24.5098, 4.6787



13.0274, 24.5098, 27.4148



23.5486, 24.5098, 79.7397



37.9001, 24.5098, 25.9722

Rectangle

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



23.0449, 24.5098, 4.6787



14.9607, 24.5098, 10.1224



23.5486, 24.5098, 79.7397



34.2635, 24.5098, 55.4606

Sweetspot

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



23.0455, 24.5110, 4.6792



51.3960, 55.3250, 38.9418



15.4271, 8.5257, 4.4474



11.3981, 12.2924, 8.1075



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.



23.0455, 24.5110, 4.6792



39.5635, 41.0784, 5.9623



20.3657, 28.8779, 5.6633



7.0617, 7.5034, 7.0618



17.4630, 18.1616, 2.5851



0.3378, 0.3758, 0.0547

Inverse Universe

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



8.0839, 5.4028, 33.4173



12.1250, 6.2412, 59.3091



9.0815, 4.6112, 33.2119



6.3829, 6.6315, 8.3503



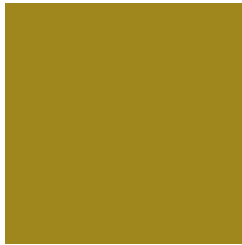
5.3453, 2.7821, 26.1625



0.1203, 0.0992, 0.4760

Previews

White Background



This preview shows how the XYZ color 23.0449, 24.5098, 4.6787 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 23.0449, 24.5098, 4.6787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

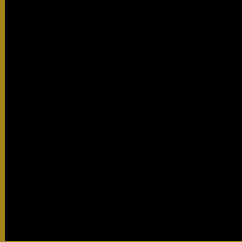
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0449, 24.5098, 4.6787

Background



This preview shows how black text looks on a background with the XYZ color 23.0449, 24.5098, 4.6787.



This preview shows how white text looks on a background with the XYZ color 23.0449, 24.5098,

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

23.0449, 24.5098, 4.6787

Protanopia

22.1754, 24.4744, 4.7836

Deuteranopia

24.9056, 24.4627, 4.7756



Tritanopia

27.3626, 24.4955, 25.8402

Trichromacy



Original Color

23.0449, 24.5098, 4.6787

Protanomaly

22.4159, 24.3902, 4.7546

Deuteranomaly

24.3000, 24.5470, 4.7536

Tritanomaly

24.9347, 24.0694, 14.3980

Monochromacy



Original Color

23.0449, 24.5098, 4.6787

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0766, 22.6856, 13.6238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0449, 24.5098, 4.6787 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, 134, 29)` looks like.

```
.text, #text, p{  
    color:rgb(159, 134, 29)  
}
```

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, 134, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 134, 29) }
```

Border

The CSS property to change the border of an element to XYZ 23.0449, 24.5098, 4.6787 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, 134, 29) }
```


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

```
.border{ border-color:rgb(159, 134, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 134, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 134, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 134, 29);  
box-shadow:4px 4px 4px 4px rgb(159, 134,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0449, 24.5098, 4.6787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 134, 29) }
```

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

```
.background{ background-color: rgb(159,  
134, 29) }
```

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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