

Converting Colors

XYZ(23.0003, 25.2649, 4.9198)

Have a look what the booklet for
XYZ(23.0003, 25.2649, 4.9198)
contains.

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Color

**XYZ(23.0331, 25.3386,
4.9052)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8A1E
RGB	156, 138, 30
RGB Percent	61%, 54%, 12%
CMY	0.3882, 0.4588, 0.8823
CMYK	0.00, 0.12, 0.81, 0.39
HSL	51°, 68%, 36%
HSV	51°, 81%, 61%
XYZ	23.0331, 25.3386, 4.9052
YIQ	131.0700, 45.3960, -29.7720

Conversions

Conversions Part 2

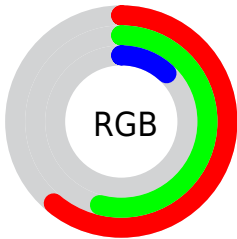
Format	Color
R _Y B	51, 156, 30
Decimal	10258974
CIE Lab	57.40, -4.67, 55.39
CIE LCh	57, 55.590, 94.818
Yxy	25.3386, 0.4323, 0.4756
Android (android.graphics.Color)	4288449054 (0xFF9C8A1E)
YUV	131.0700, -49.8275, 21.8636
Hunter-Lab	50.3375, -6.4136, 29.4586

Details

The XYZ color **23.0331, 25.3386, 4.9052** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.5932, 4.7903, 31.9766**, and the grayscale version is **21.7603, 22.8935, 24.9310**.

A 20% lighter version of the original color is **48.0021, 52.2136, 16.1426**, and **8.9392, 9.9115, 1.4420** is the 20% darker color. If you saturate the color by 10%, you get **22.5649, 24.6460, 3.9979**, and if you desaturate by 10%, it is **23.6076, 26.0862, 6.3350**.

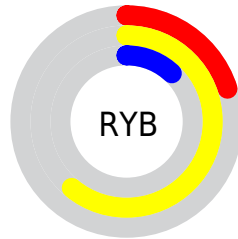
Distribution



Red (61%)

Green (54%)

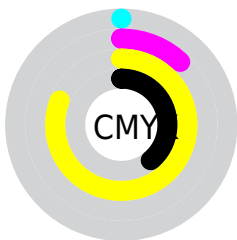
Blue (12%)



Red (20%)

Yellow (61%)

Blue (12%)

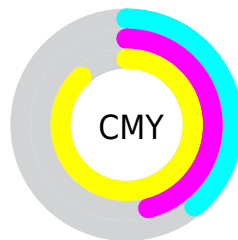


Cyan (0%)

Magenta (12%)

Yellow (81%)

Black (39%)



Cyan (39%)

Magenta (46%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0331, 25.3386, 4.9052 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 23.0331, 25.3386, 4.9052 by changing the saturation by 10% instead.

■ 23.0331, 25.3386,
4.9052

■ 23.0331, 25.3386,
4.9052

260.4271,
279.5200, 157.8102

■ 14.7388, 16.3295,
2.1340

■ 47.9139, 52.2060,
16.0488

■ 8.7214, 9.7576,
0.6359

■ 65.2311, 70.8331,
25.2582

■ 4.6155, 5.2385,
0.0000

■ 86.2867, 93.4350,
37.4509

■ 2.0559, 2.3879,
0.0000

■ 111.4460,
120.3960, 53.0452

■ 0.6651, 0.8197,
0.0000

■ 141.0743,
152.1007, 72.4597

■ 0.0000, 0.0000,
0.0000

■ 175.5370,

188.9333, 96.1131

215.1995,
231.2783, 124.4237

■ 23.0331, 25.3386,
4.9052

■ 23.0331, 25.3386,
4.9052

■ 22.5649, 24.6460,
3.9979

■ 23.6076, 26.0862,
6.3350

■ 22.1965, 24.0404,
3.4704

■ 24.2997, 26.8903,
8.3535

■ 25.1207, 27.7566,
11.0187

■ 26.0804, 28.6891,
14.3812

■ 27.1875, 29.6913,
18.4868

■ 28.4500, 30.7664,
23.3770

■ 29.8751, 31.9175,
29.0907

■ 31.4699, 33.1473,
35.6638

■ 33.2407, 34.4585,
43.1303

Harmonies

Analogous

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



29.8989, 25.3386, 6.0341



23.0331, 25.3386, 4.9052



17.5383, 25.3386, 7.2117

Triad

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



23.0331, 25.3386, 4.9052



15.0928, 25.3386, 53.9886



37.4949, 25.3386, 46.1302

Complementary

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



23.0331, 25.3386, 4.9052



7.5932, 4.7903, 31.9766

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.



32.0831, 25.3386, 69.4935



23.0331, 25.3386, 4.9052



19.0759, 25.3386, 75.3007

Square

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



23.0331, 25.3386, 4.9052



13.5195, 25.3386, 30.7568



25.1655, 25.3386, 81.9868



39.0770, 25.3386, 24.6474

Rectangle

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



23.0331, 25.3386, 4.9052



15.1268, 25.3386, 11.4962



25.1655, 25.3386, 81.9868



36.0202, 25.3386, 54.2857

Sweetspot

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



23.0337, 25.3398, 4.9057



50.7895, 55.1411, 38.9944



14.7269, 8.2176, 3.7051



11.0096, 11.9915, 7.9373



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.



23.0337, 25.3398, 4.9057



40.4094, 43.7988, 6.5000



18.7923, 27.3087, 5.5093



7.0894, 7.5588, 7.0710



18.3024, 19.8405, 2.8650



0.3473, 0.3949, 0.0579

Inverse Universe

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



7.5932, 4.7903, 31.9766



11.5587, 5.5651, 57.5917



9.2971, 4.7890, 31.8866



6.3574, 6.5806, 8.3418



5.2000, 2.4915, 26.1141



0.1121, 0.0828, 0.4733

Previews

White Background



This preview shows how the XYZ color 23.0331, 25.3386, 4.9052 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 23.0331, 25.3386, 4.9052 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 23.0331, 25.3386, 4.9052

Background



This preview shows how black text looks on a background with the XYZ color 23.0331, 25.3386, 4.9052.



This preview shows how white text looks on a background with the XYZ color 23.0331, 25.3386,

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

23.0331, 25.3386, 4.9052

Protanopia

22.8404, 25.2393, 4.8961

Deuteranopia

25.8606, 25.3468, 5.0428



Tritanopia

27.8203, 25.4571, 27.8735

Trichromacy



Original Color

23.0331, 25.3386, 4.9052

Protanomaly

22.8404, 25.2393, 4.8961

Deuteranomaly

24.7360, 25.3755, 5.0331

Tritanomaly

25.2013, 24.9804, 15.2978

Monochromacy



Original Color

23.0331, 25.3386, 4.9052

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.3607, 23.4338, 13.9870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0331, 25.3386, 4.9052 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, 138, 30)` looks like.

```
.text, #text, p{  
    color:rgb(156, 138, 30)  
}
```

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, 138, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 138, 30) }
```

Border

The CSS property to change the border of an element to XYZ 23.0331, 25.3386, 4.9052 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, 138, 30) }
```


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

```
.border{ border-color:rgb(156, 138, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 138, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 138, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 138, 30);  
box-shadow:4px 4px 4px 4px rgb(156, 138,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0331, 25.3386, 4.9052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 138, 30) }
```

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

```
.background{ background-color: rgb(156,  
138, 30) }
```

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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