

Converting Colors

XYZ(23.2485, 25.8754, 5.0738)

Have a look what the booklet for
XYZ(23.2485, 25.8754, 5.0738)
contains.

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Color

**XYZ(23.3357, 25.9230,
5.0700)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8C1F
RGB	156, 140, 31
RGB Percent	61%, 55%, 12%
CMY	0.3882, 0.4510, 0.8784
CMYK	0.00, 0.10, 0.80, 0.39
HSL	52°, 67%, 37%
HSV	52°, 80%, 61%
XYZ	23.3357, 25.9230, 5.0700
YIQ	132.3580, 44.5250, -30.5070

Conversions

Conversions Part 2

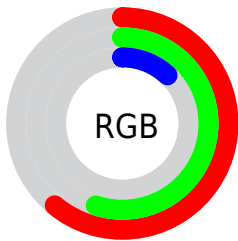
Format	Color
R_{YB}	49, 156, 31
Decimal	10259487
CIE _{Lab}	57.96, -5.72, 55.57
CIE _{LCh}	58, 55.865, 95.880
Yxy	25.9230, 0.4295, 0.4772
Android (android.graphics.Color)	4288449567 (0xFF9C8C1F)
YUV	132.3580, -49.9695, 20.7340
Hunter-Lab	50.9146, -7.2887, 29.7362

Details

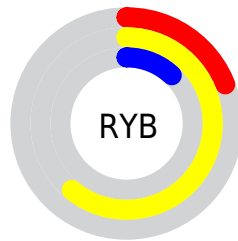
The XYZ color **23.3357, 25.9230, 5.0700** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.5824, 4.7246, 31.9646**, and the grayscale version is **22.2260, 23.3835, 25.4646**.

A 20% lighter version of the original color is **48.4812, 53.1080, 16.4997**, and **9.0230, 10.0790, 1.4699** is the 20% darker color. If you saturate the color by 10%, you get **22.8890, 25.2828, 4.1409**, and if you desaturate by 10%, it is **23.8884, 26.6161, 6.5260**.

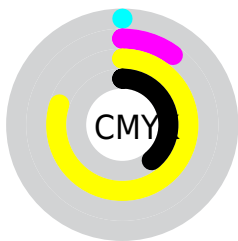
Distribution



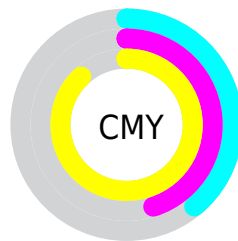
- Red (61%)
- Green (55%)
- Blue (12%)



- Red (19%)
- Yellow (61%)
- Blue (12%)



- Cyan (0%)
- Magenta (10%)
- Yellow (80%)
- Black (39%)



- Cyan (39%)
- Magenta (45%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3357, 25.9230, 5.0700 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 23.3357, 25.9230, 5.0700 by changing the saturation by 10% instead.

■ 23.3357, 25.9230,
5.0700

■ 23.3357, 25.9230,
5.0700

261.9478,
282.4039, 159.4647

■ 14.9636, 16.7660,
2.2289

■ 48.4066, 53.1507,
16.4107

■ 8.8800, 10.0678,
0.6910

■ 65.8361, 71.9902,
25.7474

■ 4.7195, 5.4440,
0.0000

■ 87.0155, 94.8261,
38.0864

■ 2.1167, 2.5100,
0.0000

■ 112.3101,
122.0426, 53.8462

■ 0.6983, 0.8817,
0.0000

■ 142.0853,
154.0243, 73.4454

■ 0.0000, 0.0000,
0.0000

■ 176.7064,

191.1555, 97.3025

216.5388,
233.8205, 125.8361

■ 23.3357, 25.9230,
5.0700

■ 23.3357, 25.9230,
5.0700

■ 22.8890, 25.2828,
4.1409

■ 23.8884, 26.6161,
6.5260

■ 22.5196, 24.6866,
3.5781

■ 24.5581, 27.3635,
8.5741

■ 25.3561, 28.1708,
11.2720

■ 26.2922, 29.0418,
14.6698

■ 27.3748, 29.9802,
18.8130

■ 28.6119, 30.9890,
23.7430

■ 30.0109, 32.0713,
29.4984

■ 31.5785, 33.2299,
36.1150

■ 33.3213, 34.4673,
43.6267

Harmonies

Analogous

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



30.3201, 25.9230, 6.1019



23.3357, 25.9230, 5.0700



17.8006, 25.9230, 7.5758

Triad

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



23.3357, 25.9230, 5.0700



15.5638, 25.9230, 56.0270



38.4522, 25.9230, 46.2600

Complementary

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



23.3357, 25.9230, 5.0700



7.5824, 4.7246, 31.9646

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.



33.0368, 25.9230, 70.2125



23.3357, 25.9230, 5.0700



19.7160, 25.9230, 77.4234

Square

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



23.3357, 25.9230, 5.0700



13.8700, 25.9230, 32.1993



25.9900, 25.9230, 83.5415



39.8998, 25.9230, 24.5933

Rectangle

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



23.3357, 25.9230, 5.0700



15.3964, 25.9230, 12.1124



25.9900, 25.9230, 83.5415



36.9929, 25.9230, 54.5651

Sweetspot

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



23.3363, 25.9242, 5.0705



50.9551, 55.4723, 39.0496



14.7270, 8.2587, 3.5786



11.0507, 12.0738, 7.9510



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.



23.3363, 25.9242, 5.0705



41.0544, 45.0710, 6.7701



18.5871, 27.2015, 5.5674



7.0977, 7.5754, 7.0738



18.5669, 20.3694, 2.9531



0.3503, 0.4008, 0.0589

Inverse Universe

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



7.5824, 4.7246, 31.9646



11.5512, 5.5123, 57.5819



9.5381, 4.9514, 31.9053



6.3498, 6.5653, 8.3392



5.1636, 2.4187, 26.1019



0.1096, 0.0779, 0.4725

Previews

White Background



This preview shows how the XYZ color 23.3357, 25.9230, 5.0700 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 23.3357, 25.9230, 5.0700 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 23.3357, 25.9230, 5.0700

Background



This preview shows how black text looks on a background with the XYZ color 23.3357, 25.9230, 5.0700.



This preview shows how white text looks on a background with the XYZ color 23.3357, 25.9230,

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

23.3357, 25.9230, 5.0700

Protanopia

23.5300, 26.0232, 5.0791

Deuteranopia

26.2338, 25.7378, 5.1753



Tritanopia

28.1002, 25.7809, 28.6945

Trichromacy



Original Color

23.3357, 25.9230, 5.0700

Protanomaly

23.5300, 26.0232, 5.0791

Deuteranomaly

25.1012, 25.7683, 5.1642

Tritanomaly

25.5720, 25.5668, 15.8990

Monochromacy



Original Color

23.3357, 25.9230, 5.0700

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.7140, 23.8169, 14.2791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3357, 25.9230, 5.0700 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(156, 140, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 140, 31) }
```

Border

The CSS property to change the border of an element to XYZ 23.3357, 25.9230, 5.0700 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, 31) }
```


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

```
.border{ border-color:rgb(156, 140, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 140, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 140, 31);  
box-shadow:4px 4px 4px 4px rgb(156, 140,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3357, 25.9230, 5.0700 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, 31) }
```

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

```
.background{ background-color: rgb(156,  
140, 31) }
```

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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