

Converting Colors

XYZ(33.2118, 39.0006, 23.1175)

Have a look what the booklet for
XYZ(33.2118, 39.0006, 23.1175)
contains.

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Color

**XYZ(33.1736, 38.9004,
23.2129)**

Conversions

Conversions Part 1

Format	Color
Hex	A2AD77
RGB	162, 173, 119
RGB Percent	64%, 68%, 47%
CMY	0.3647, 0.3216, 0.5333
CMYK	0.06, 0.00, 0.31, 0.32
HSL	72°, 25%, 57%
HSV	72°, 31%, 68%
XYZ	33.1736, 38.9004, 23.2129
YIQ	163.5550, 10.7780, -19.1260

Conversions

Conversions Part 2

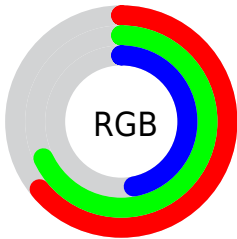
Format	Color
RYB	119, 173, 130
Decimal	10661239
CIELab	68.68, -12.96, 26.52
CIElCh	69, 29.518, 116.042
Yxy	38.9004, 0.3481, 0.4082
Android (android.graphics.Color)	4288851319 (0xFFA2AD77)
YUV	163.5550, -21.9656, -1.3637
Hunter-Lab	62.3702, -14.2068, 21.5926

Details

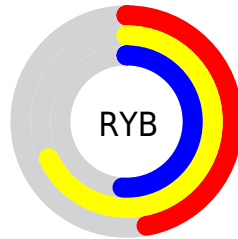
The XYZ color **33.1736, 38.9004, 23.2129** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.3471, 20.9577, 42.3520**, and the grayscale version is **35.1734, 37.0051, 40.2986**.

A 20% lighter version of the original color is **63.8051, 73.2171, 49.7991**, and **14.3733, 17.4319, 8.4015** is the 20% darker color. If you saturate the color by 10%, you get **31.5220, 38.1595, 18.1970**, and if you desaturate by 10%, it is **35.0364, 39.7308, 29.2275**.

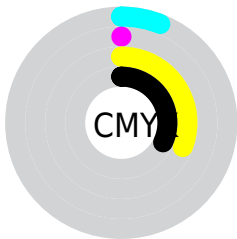
Distribution



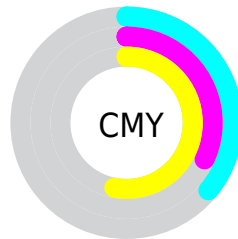
- Red (64%)
- Green (68%)
- Blue (47%)



- Red (47%)
- Yellow (68%)
- Blue (51%)



- Cyan (6%)
- Magenta (0%)
- Yellow (31%)
- Black (32%)





- Cyan (36%)
- Magenta (32%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1736, 38.9004, 23.2129 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 33.1736, 38.9004, 23.2129 by changing the saturation by 10% instead.


 33.1736, 38.9004,
23.2129


 33.1736, 38.9004,
23.2129


308.0824,
341.4668, 281.9739

 22.4193, 26.6823,
14.5440


 63.9993, 73.4861,
49.6703

 14.2837, 17.3347,
8.3569


 84.8015, 96.6225,
68.2959

 8.4012, 10.4734,
4.2332

 109.6837,
124.1671, 91.0774

 4.4067, 5.7140,
1.7541

139.0113,
156.5043, 118.4335

 1.9347, 2.6719,
0.3974

173.1496,
194.0185, 150.7827

 0.5969, 0.9630,
0.0000

212.4640,

 0.0000, 0.0000,

237.0940, 188.5434

0.0000

257.3198,
286.1153, 232.1343

■ 33.1736, 38.9004,
23.2129

■ 33.1736, 38.9004,
23.2129

■ 31.5220, 38.1595,
18.1970

■ 35.0364, 39.7308,
29.2275

■ 30.0682, 37.4987,
14.1233

■ 37.1172, 40.6493,
36.2885

■ 28.8019, 36.9152,
10.9334

■ 39.4258, 41.6614,
44.4432

■ 27.7102, 36.4038,
8.5612

■ 41.9709, 42.7704,
53.7355

■ 26.7789, 35.9588,
6.9317

■ 44.7604, 43.9795,
64.2069

■ 25.9907, 35.5732,
5.9559

■ 47.8020, 45.2919,
75.8967

■ 25.3844, 35.2708,
5.4700

■ 51.1029, 46.7105,
88.8424

■ 54.2803, 48.0821,
101.0276

■ 55.1728, 48.5422,
101.0694

Harmonies

Analogous

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



37.5963, 38.9004, 21.5486



33.1736, 38.9004, 23.2129



30.0212, 38.9004, 29.5653

Triad

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



33.1736, 38.9004, 23.2129



32.1859, 38.9004, 67.4378



46.6640, 38.9004, 44.1541

Complementary

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



33.1736, 38.9004, 23.2129



23.3471, 20.9577, 42.3520

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.



44.9243, 38.9004, 58.3878



33.1736, 38.9004, 23.2129



36.3579, 38.9004, 73.5017

Square

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



33.1736, 38.9004, 23.2129



29.4855, 38.9004, 54.6655



41.0534, 38.9004, 69.8847



45.6330, 38.9004, 32.0486

Rectangle

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



33.1736, 38.9004, 23.2129



28.9336, 38.9004, 36.4564



41.0534, 38.9004, 69.8847



46.3802, 38.9004, 48.8598

Sweetspot

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



33.1746, 38.9021, 23.2137



67.2883, 73.1561, 67.8292



28.5208, 26.1294, 20.9936



14.5009, 15.8447, 14.3146



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.1746, 38.9021, 23.2137



57.4655, 68.7956, 35.5948



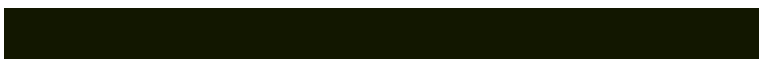
28.2986, 36.3885, 22.9855



8.5004, 9.2466, 8.5501



18.6953, 25.9348, 4.0206



0.5600, 0.7421, 0.1137

Inverse Universe

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



23.3471, 20.9577, 42.3520



37.2465, 31.8618, 74.9926



28.0066, 23.3597, 42.5701



7.7257, 7.8329, 10.0574



6.0962, 2.5026, 29.2063



0.2127, 0.0918, 0.8145

Previews

White Background



This preview shows how the XYZ color 33.1736, 38.9004, 23.2129 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.1736, 38.9004, 23.2129 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 ✓ Pass

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

XYZ 33.1736, 38.9004, 23.2129

Background



This preview shows how black text looks on a background with the XYZ color 33.1736, 38.9004, 23.2129.



This preview shows how white text looks on a background with the XYZ color 33.1736, 38.9004,

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

33.1736, 38.9004, 23.2129

Protanopia

36.0857, 38.7455, 22.4063

Deuteranopia

39.3724, 38.5525, 23.7786



Tritanopia

38.1694, 38.7110, 48.1081

Trichromacy



Original Color

33.1736, 38.9004, 23.2129

Protanomaly

34.9135, 38.6826, 22.7659

Deuteranomaly

36.9139, 38.6050, 23.5951

Tritanomaly

36.0248, 38.6551, 37.4608

Monochromacy



Original Color

33.1736, 38.9004, 23.2129

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2683, 37.5621, 33.4610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1736, 38.9004, 23.2129 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(162, 173, 119)` looks like.

```
.text, #text, p{  
    color:rgb(162, 173, 119)  
}
```

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(162, 173, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 173, 119) }
```

Border

The CSS property to change the border of an element to XYZ 33.1736, 38.9004, 23.2129 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(162, 173, 119) }
```


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

```
.border{ border-color:rgb(162, 173, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 173, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 173, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 173, 119);  
box-shadow:4px 4px 4px 4px rgb(162, 173,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1736, 38.9004, 23.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 173, 119) }
```

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

```
.background{ background-color: rgb(162,  
173, 119) }
```

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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