

Converting Colors

XYZ(21.8548, 18.3609, 3.9184)

Have a look what the booklet for
XYZ(21.8548, 18.3609, 3.9184)
contains.

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Color

**XYZ(21.9336, 18.4739,
3.9232)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6722
RGB	171, 103, 34
RGB Percent	67%, 40%, 13%
CMY	0.3294, 0.5961, 0.8667
CMYK	0.00, 0.40, 0.80, 0.33
HSL	30°, 67%, 40%
HSV	30°, 80%, 67%
XYZ	21.9336, 18.4739, 3.9232
YIQ	115.4660, 62.6770, -7.0430

Conversions

Conversions Part 2

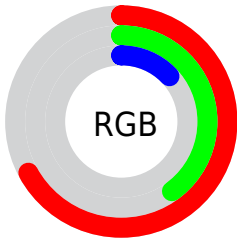
Format	Color
R _Y B	169, 171, 34
Decimal	11233058
CIE Lab	50.07, 21.92, 47.85
CIE LCh	50, 52.631, 65.388
Yxy	18.4739, 0.4948, 0.4167
Android (android.graphics.Color)	4289423138 (0xFFAB6722)
YUV	115.4660, -40.1627, 48.7033
Hunter-Lab	42.9813, 15.8724, 24.6751

Details

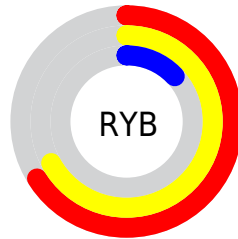
The XYZ color **21.9336, 18.4739, 3.9232** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.7616, 12.7826, 40.3226**, and the grayscale version is **16.5430, 17.4045, 18.9535**.

A 20% lighter version of the original color is **46.1108, 40.7402, 13.8208**, and **8.1762, 6.2431, 0.7741** is the 20% darker color. If you saturate the color by 10%, you get **20.9438, 16.7959, 2.6644**, and if you desaturate by 10%, it is **23.1326, 20.3744, 5.8573**.

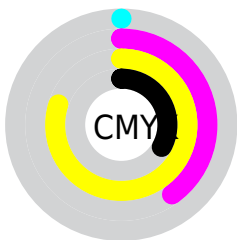
Distribution



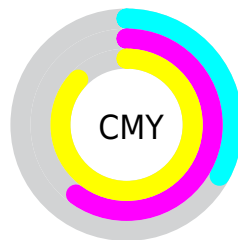
- Red (67%)
- Green (40%)
- Blue (13%)



- Red (66%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (40%)
- Yellow (80%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9336, 18.4739, 3.9232 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 21.9336, 18.4739, 3.9232 by changing the saturation by 10% instead.


 21.9336, 18.4739,
3.9232


 21.9336, 18.4739,
3.9232


254.8382,
243.5288, 147.3679


 13.9244, 11.2908,
1.5833


 46.1159, 40.8432,
13.8322

 8.1495, 6.2628,
0.2789


 63.0198, 56.7981,
22.2385

 4.2434, 3.0055,
0.0000

 83.6192, 76.4458,
33.5039

 1.8407, 1.1346,
0.0000

 108.2797,
100.1706, 48.0471

 0.5420, 0.0073,
0.0000

 137.3664,
128.3569, 66.2865

 0.0000, 0.0000,
0.0000

 171.2449,

161.3891, 88.6408

210.2803,
199.6516, 115.5284

21.9336, 18.4739,
3.9232

21.9336, 18.4739,
3.9232

20.9438, 16.7959,
2.6644

23.1326, 20.3744,
5.8573

20.1326, 15.3340,
1.8987

24.5581, 22.5056,
8.5510

26.2264, 24.8788,
12.0773

28.1518, 27.5033,
16.5002

30.3474, 30.3876,
21.8773

■ 32.8250, 33.5399,
28.2615

■ 35.5960, 36.9681,
35.7015

■ 38.6707, 40.6794,
44.2432

■ 42.0592, 44.6808,
53.9293

Harmonies

Analogous

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



26.7518, 18.4739, 7.9032



21.9336, 18.4739, 3.9232



16.6605, 18.4739, 3.1672

Triad

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



21.9336, 18.4739, 3.9232



9.5403, 18.4739, 22.8484



23.8219, 18.4739, 52.4834

Complementary

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



21.9336, 18.4739, 3.9232



12.7616, 12.7826, 40.3226

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.



18.4890, 18.4739, 62.6014



21.9336, 18.4739, 3.9232



10.7577, 18.4739, 40.9679

Square

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



21.9336, 18.4739, 3.9232



10.1116, 18.4739, 10.5940



13.8084, 18.4739, 57.6036



27.9806, 18.4739, 34.1049

Rectangle

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



21.9336, 18.4739, 3.9232



13.7068, 18.4739, 3.9771



13.8084, 18.4739, 57.6036



22.0725, 18.4739, 57.2823

Sweetspot

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



21.9340, 18.4749, 3.9235



56.8130, 57.5761, 45.4614



19.7898, 10.7714, 13.7371



12.3306, 12.4071, 9.2690



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.



21.9340, 18.4749, 3.9235



36.3890, 28.0496, 3.7510



31.6461, 37.8991, 7.1609



8.3261, 8.6569, 8.4455



15.2298, 11.6652, 1.4489



0.4784, 0.4340, 0.0585

Inverse Universe

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



12.7616, 12.7826, 40.3226



19.3586, 17.4888, 71.3572



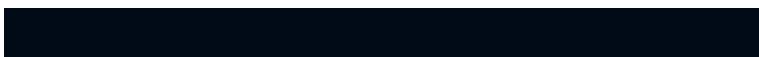
8.5825, 4.4246, 38.9296



7.8949, 8.3891, 10.1559



8.0352, 7.2043, 30.0116



0.2784, 0.3101, 0.8532

Previews

White Background



This preview shows how the XYZ color 21.9336, 18.4739, 3.9232 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 21.9336, 18.4739, 3.9232 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 21.9336, 18.4739, 3.9232

Background



This preview shows how black text looks on a background with the XYZ color 21.9336, 18.4739, 3.9232.



This preview shows how white text looks on a background with the XYZ color 21.9336, 18.4739,

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

21.9336, 18.4739, 3.9232

Protanopia

16.8978, 18.6412, 4.5412

Deuteranopia

18.7171, 18.3880, 3.7910



Tritanopia

24.3102, 18.4590, 15.1136

Trichromacy



Original Color

21.9336, 18.4739, 3.9232

Protanomaly

18.3839, 18.3712, 4.3273

Deuteranomaly

19.8165, 18.3053, 3.7852

Tritanomaly

23.2925, 18.4724, 9.5456

Monochromacy



Original Color

21.9336, 18.4739, 3.9232

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.3558, 17.1917, 11.2077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9336, 18.4739, 3.9232 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(171, 103, 34)` looks like.

```
.text, #text, p{  
    color:rgb(171, 103, 34)  
}
```

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(171, 103, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 103, 34) }
```

Border

The CSS property to change the border of an element to XYZ 21.9336, 18.4739, 3.9232 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(171, 103, 34) }
```


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

```
.border{ border-color:rgb(171, 103, 34) }
```

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

Here you see how a box with a 4 pixel rgb(171, 103, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 103, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 103, 34);  
box-shadow:4px 4px 4px 4px rgb(171, 103,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9336, 18.4739, 3.9232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 103, 34) }
```

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

```
.background{ background-color: rgb(171,  
103, 34) }
```

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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