

Converting Colors

XYZ(32.1955, 39.2833, 15.9384)

Have a look what the booklet for
XYZ(32.1955, 39.2833, 15.9384)
contains.

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Color

**XYZ(32.3574, 39.5048,
16.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B05C
RGB	162, 176, 92
RGB Percent	64%, 69%, 36%
CMY	0.3647, 0.3098, 0.6392
CMYK	0.08, 0.00, 0.48, 0.31
HSL	70°, 35%, 53%
HSV	70°, 48%, 69%
XYZ	32.3574, 39.5048, 16.0450
YIQ	162.2380, 18.6200, -29.0920

Conversions

Conversions Part 2

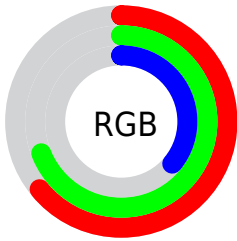
Format	Color
RYB	92, 176, 106
Decimal	10661980
CIELab	69.12, -17.75, 41.11
CIELCh	69, 44.780, 113.353
Yxy	39.5048, 0.3681, 0.4494
Android (android.graphics.Color)	4288852060 (0xFFA2B05C)
YUV	162.2380, -34.6273, -0.2087
Hunter-Lab	62.8528, -18.0985, 28.8615

Details

The XYZ color **32.3574, 39.5048, 16.0450** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.6090, 13.8541, 42.8227**, and the grayscale version is **34.6064, 36.4086, 39.6490**.

A 20% lighter version of the original color is **62.8041, 74.6323, 37.4809**, and **13.9322, 17.8337, 4.8984** is the 20% darker color. If you saturate the color by 10%, you get **31.0869, 38.9299, 12.4256**, and if you desaturate by 10%, it is **33.8225, 40.1619, 20.6081**.

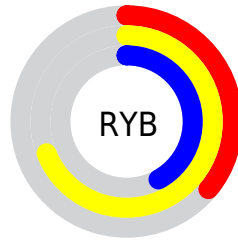
Distribution



Red (64%)

Green (69%)

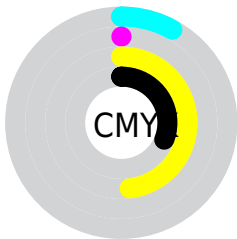
Blue (36%)



Red (36%)

Yellow (69%)

Blue (42%)

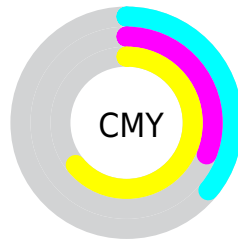


Cyan (8%)

Magenta (0%)

Yellow (48%)

Black (31%)



Cyan (36%)


Magenta (31%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3574, 39.5048, 16.0450 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 32.3574, 39.5048, 16.0450 by changing the saturation by 10% instead.


 32.3574, 39.5048,
16.0450


 32.3574, 39.5048,
16.0450


304.4606,
344.0319, 241.4619

 21.7915, 27.1527,
9.4013


 62.7324, 74.4088,
37.4442

 13.8195, 17.6879,
4.9035


 83.2722, 97.7295,
53.0368

 8.0761, 10.7262,
2.1330

 107.8673,
125.4752, 72.4494

 4.1959, 5.8830,
0.6353

 136.8831,
158.0302, 96.1005

 1.8136, 2.7741,
0.0000

170.6850,
195.7790, 124.4089

 0.5258, 1.0149,
0.0000

209.6383,

 0.0000, 0.0000,

239.1060, 157.7928

0.0000

254.1084,
288.3955, 196.6710

■ 32.3574, 39.5048,
16.0450

■ 32.3574, 39.5048,
16.0450

■ 31.0869, 38.9299,
12.4256

■ 33.8225, 40.1619,
20.6081

■ 29.9955, 38.4269,
9.6812

■ 35.4907, 40.9005,
26.1722

■ 29.0698, 37.9918,
7.7380


■ 37.3736, 41.7266,
32.7930


■ 28.2933, 37.6178,
6.5088

■ 39.4809, 42.6440,
40.5214


■ 27.6397, 37.2947,
5.8567


■ 41.8217, 43.6565,
49.4048

 27.4982, 37.2242,
5.7357

 44.4045, 44.7675,
59.4882

 47.2377, 45.9803,
70.8140

 50.3288, 47.2980,
83.4224

 53.6853, 48.7235,
97.3521

Harmonies

Analogous

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



39.1621, 39.5048, 14.5590



32.3574, 39.5048, 16.0450



27.5618, 39.5048, 23.5318

Triad

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



32.3574, 39.5048, 16.0450



29.9249, 39.5048, 82.9733



52.9275, 39.5048, 47.7346

Complementary

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



32.3574, 39.5048, 16.0450



17.6090, 13.8541, 42.8227

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.



49.6951, 39.5048, 71.0578



32.3574, 39.5048, 16.0450



35.9791, 39.5048, 95.1784

Square

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



32.3574, 39.5048, 16.0450



26.2870, 39.5048, 60.5871



43.2663, 39.5048, 90.2382



51.6383, 39.5048, 29.2170

Rectangle

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



32.3574, 39.5048, 16.0450



25.8556, 39.5048, 32.6911



43.2663, 39.5048, 90.2382



52.3216, 39.5048, 55.3090

Sweetspot

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



32.3584, 39.5066, 16.0458



69.0633, 76.2341, 64.1205



24.9917, 20.3120, 12.7292



14.7972, 16.4471, 13.2791



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.3584, 39.5066, 16.0458



56.3205, 70.5757, 22.3796



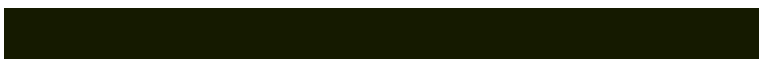
25.2043, 35.8185, 15.7110



9.0552, 9.8336, 9.0733



20.2171, 27.3324, 4.2101



0.6730, 0.8790, 0.1342

Inverse Universe

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



17.6090, 13.8541, 42.8227



26.4593, 18.5777, 76.6866



23.8777, 17.0857, 43.1161



8.1696, 8.2960, 10.6770



6.1633, 2.5131, 30.2972



0.2341, 0.0998, 0.9552

Previews

White Background



This preview shows how the XYZ color 32.3574, 39.5048, 16.0450 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 32.3574, 39.5048, 16.0450 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

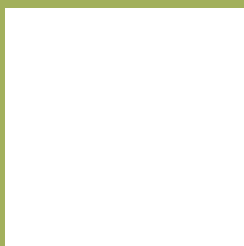
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3574, 39.5048, 16.0450

Background



This preview shows how black text looks on a background with the XYZ color 32.3574, 39.5048, 16.0450.



This preview shows how white text looks on a background with the XYZ color 32.3574, 39.5048,

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

32.3574, 39.5048, 16.0450

Protanopia

36.2408, 39.5363, 15.1724

Deuteranopia

40.0330, 39.3134, 16.5446



Tritanopia

38.7862, 39.2978, 48.1888

Trichromacy



Original Color

32.3574, 39.5048, 16.0450

Protanomaly

34.7294, 39.5903, 15.4841

Deuteranomaly

36.6880, 38.9175, 16.4046

Tritanomaly

35.7896, 39.1809, 33.2801

Monochromacy



Original Color

32.3574, 39.5048, 16.0450

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.2344, 37.1250, 29.0811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3574, 39.5048, 16.0450 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, 176, 92)` looks like.

```
.text, #text, p{  
    color:rgb(162, 176, 92)  
}
```

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, 176, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 176, 92) }
```

Border

The CSS property to change the border of an element to XYZ 32.3574, 39.5048, 16.0450 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, 176, 92) }
```


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

```
.border{ border-color:rgb(162, 176, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 176, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 176, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 176, 92);  
box-shadow:4px 4px 4px 4px rgb(162, 176,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3574, 39.5048, 16.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 176, 92) }
```

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

```
.background{ background-color: rgb(162,  
176, 92) }
```

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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