

Converting Colors

XYZ(31.5023, 35.5646, 16.2540)

Have a look what the booklet for
XYZ(31.5023, 35.5646, 16.2540)
contains.

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Color

**XYZ(31.3570, 35.3637,
16.2395)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A360
RGB	168, 163, 96
RGB Percent	66%, 64%, 38%
CMY	0.3412, 0.3608, 0.6235
CMYK	0.00, 0.03, 0.43, 0.34
HSL	56°, 29%, 52%
HSV	56°, 43%, 66%
XYZ	31.3570, 35.3637, 16.2395
YIQ	156.8570, 24.4870, -19.7770

Conversions

Conversions Part 2

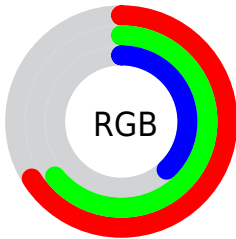
Format	Color
RYB	101, 168, 96
Decimal	11051872
CIELab	66.03, -8.09, 35.37
CIELCh	66, 36.282, 102.886
Yxy	35.3637, 0.3780, 0.4263
Android (android.graphics.Color)	4289241952 (0xFFA8A360)
YUV	156.8570, -30.0025, 9.7724
Hunter-Lab	59.4674, -9.9453, 25.4361

Details

The XYZ color **31.3570, 35.3637, 16.2395** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.5455, 14.6210, 38.9960**, and the grayscale version is **32.1072, 33.7792, 36.7856**.

A 20% lighter version of the original color is **61.1572, 68.1282, 37.9437**, and **13.1370, 15.1515, 4.9215** is the 20% darker color. If you saturate the color by 10%, you get **30.4590, 34.6761, 12.5235**, and if you desaturate by 10%, it is **32.4239, 36.1245, 20.8282**.

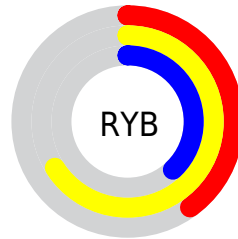
Distribution



Red (66%)

Green (64%)

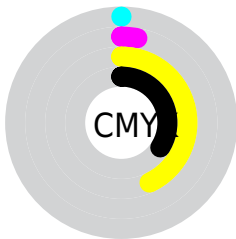
Blue (38%)



Red (40%)

Yellow (66%)

Blue (38%)

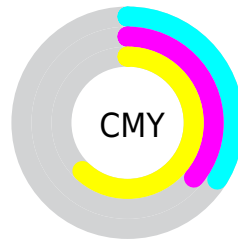


Cyan (0%)

Magenta (3%)

Yellow (43%)

Black (34%)



Cyan (34%)


Magenta (36%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3570, 35.3637, 16.2395 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 31.3570, 35.3637, 16.2395 by changing the saturation by 10% instead.


 31.3570, 35.3637,
16.2395


 31.3570, 35.3637,
16.2395


299.9773,
326.1708, 242.6446

 21.0240, 23.9432,
9.5376


 61.1737, 68.0488,
37.7861


 13.2541, 15.2915,
4.9919


 81.3882, 90.0822,
53.4678

 7.6820, 9.0242,
2.1839


 105.6271,
116.4220, 72.9799

 3.9422, 4.7570,
0.6650

 134.2560,
147.4526, 96.7409

 1.6695, 2.1054,
0.0000

167.6400,
183.5583, 125.1693

 0.4371, 0.6677,
0.0000

206.1447,

 0.0000, 0.0000,

225.1237, 158.6837

0.0000

250.1353,
272.5331, 197.7026

■ 31.3570, 35.3637,
16.2395

■ 31.3570, 35.3637,
16.2395

■ 30.4590, 34.6761,
12.5235

■ 32.4239, 36.1245,
20.8282

■ 29.7168, 34.0526,
9.6220

■ 33.6669, 36.9575,
26.3383

■ 29.1193, 33.4900,
7.4733

■ 35.0957, 37.8679,
32.8178

■ 28.6530, 32.9829,
6.0057

■ 36.7188, 38.8590,
40.3105

■ 28.3016, 32.5247,
5.1341

■ 38.5439, 39.9341,
48.8577

■ 28.0945, 32.2169,
4.7378

■ 40.5784, 41.0960,
58.4981

■ 42.8294, 42.3477,
69.2688

■ 45.3035, 43.6916,
81.2049

■ 48.0071, 45.1305,
94.3401

Harmonies

Analogous

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



36.7499, 35.3637, 16.5598



31.3570, 35.3637, 16.2395



27.0507, 35.3637, 20.6177

Triad

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



31.3570, 35.3637, 16.2395



26.5864, 35.3637, 62.3976



44.5027, 35.3637, 47.9004

Complementary

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



31.3570, 35.3637, 16.2395



16.5455, 14.6210, 38.9960

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.



41.1570, 35.3637, 64.5549



31.3570, 35.3637, 16.2395



30.6582, 35.3637, 74.3378

Square

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



31.3570, 35.3637, 16.2395



24.5008, 35.3637, 45.4990



35.9729, 35.3637, 75.2186



44.7414, 35.3637, 32.2673

Rectangle

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



31.3570, 35.3637, 16.2395



25.2177, 35.3637, 26.5167



35.9729, 35.3637, 75.2186



43.6890, 35.3637, 53.6516

Sweetspot

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



31.3579, 35.3653, 16.2402



63.5806, 68.6508, 59.0696



22.7299, 17.6503, 14.7797



13.7316, 14.8838, 12.2986



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.3579, 35.3653, 16.2402



55.4101, 63.0347, 23.2828



26.5955, 34.2533, 16.2766



8.1017, 8.6834, 8.0383



21.2312, 24.3596, 3.5829



0.5293, 0.6182, 0.0914

Inverse Universe

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



16.5455, 14.6210, 38.9960



25.0998, 20.5957, 69.8776



19.8553, 15.6290, 39.0161



7.1721, 7.3811, 9.4650



5.4488, 2.3577, 28.1434



0.1452, 0.0827, 0.6890

Previews

White Background



This preview shows how the XYZ color 31.3570, 35.3637, 16.2395 looks on a white background.

Color Contrast Check

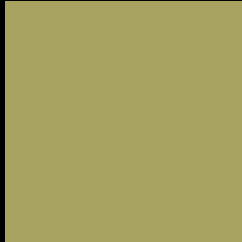
Large Text (above 18pt) WCAG AA × Fail

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 31.3570, 35.3637, 16.2395 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

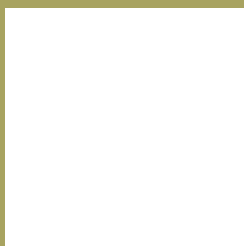
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3570, 35.3637, 16.2395

Background



This preview shows how black text looks on a background with the XYZ color 31.3570, 35.3637, 16.2395.



This preview shows how white text looks on a background with the XYZ color 31.3570, 35.3637,

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

31.3570, 35.3637, 16.2395

Protanopia

32.5409, 35.1979, 15.9053

Deuteranopia

35.8440, 35.1336, 16.4476



Tritanopia

36.6009, 35.4628, 41.4751

Trichromacy



Original Color

31.3570, 35.3637, 16.2395

Protanomaly

32.0440, 35.2002, 15.9319

Deuteranomaly

34.2222, 35.2913, 16.3175

Tritanomaly

34.2682, 35.2610, 30.1992

Monochromacy



Original Color

31.3570, 35.3637, 16.2395

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.4693, 34.1226, 27.8494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3570, 35.3637, 16.2395 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(168, 163, 96)` looks like.

```
.text, #text, p{  
    color:rgb(168, 163, 96)  
}
```

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(168, 163, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 96) }
```

Border

The CSS property to change the border of an element to XYZ 31.3570, 35.3637, 16.2395 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(168, 163, 96) }
```


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

```
.border{ border-color:rgb(168, 163, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 163, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 163, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 163, 96);  
box-shadow:4px 4px 4px 4px rgb(168, 163,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3570, 35.3637, 16.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 96) }
```

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

```
.background{ background-color: rgb(168,  
163, 96) }
```

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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