

Converting Colors

XYZ(31.2359, 35.6712, 14.1936)

Have a look what the booklet for
XYZ(31.2359, 35.6712, 14.1936)
contains.

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Color

**XYZ(31.1442, 35.5639,
14.2399)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A457
RGB	168, 164, 87
RGB Percent	66%, 64%, 34%
CMY	0.3412, 0.3568, 0.6588
CMYK	0.00, 0.02, 0.48, 0.34
HSL	57°, 32%, 50%
HSV	57°, 48%, 66%
XYZ	31.1442, 35.5639, 14.2399
YIQ	156.4180, 27.1010, -23.0990

Conversions

Conversions Part 2

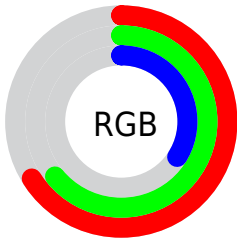
Format	Color
RYB	91, 168, 87
Decimal	11052119
CIELab	66.19, -9.54, 40.18
CIElCh	66, 41.297, 103.357
Yxy	35.5639, 0.3847, 0.4393
Android (android.graphics.Color)	4289242199 (0xFFA8A457)
YUV	156.4180, -34.2231, 10.1574
Hunter-Lab	59.6355, -11.1417, 27.5874

Details

The XYZ color **31.1442, 35.5639, 14.2399** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.7394, 12.3352, 38.6497**, and the grayscale version is **31.9274, 33.5901, 36.5796**.

A 20% lighter version of the original color is **61.0431, 68.5347, 34.4373**, and **13.0835, 15.3057, 4.0984** is the 20% darker color. If you saturate the color by 10%, you get **30.3887, 35.0265, 10.9870**, and if you desaturate by 10%, it is **32.0621, 36.1704, 18.3358**.

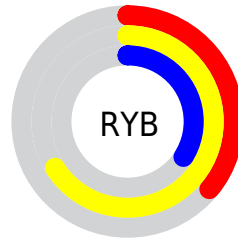
Distribution



Red (66%)

Green (64%)

Blue (34%)



Red (36%)

Yellow (66%)

Blue (34%)

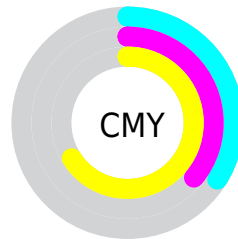


Cyan (0%)

Magenta (2%)

Yellow (48%)

Black (34%)



Cyan (34%)

Magenta (36%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1442, 35.5639, 14.2399 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 31.1442, 35.5639, 14.2399 by changing the saturation by 10% instead.


 31.1442, 35.5639,
14.2399


 31.1442, 35.5639,
14.2399


299.0171,
327.0504, 230.1983

 20.8610, 24.0976,
8.1471


 60.8413, 68.3584,
34.2373

 13.1343, 15.4060,
4.1001


 80.9860, 90.4554,
48.9790


 7.5988, 9.1048,
1.6804


 105.1486,
116.8647, 67.4407

 3.8889, 4.8096,
0.3473

 133.6944,
147.9708, 90.0409

 1.6395, 2.1360,
0.0000

 166.9888,
184.1580, 117.1983

 0.4179, 0.6848,
0.0000

205.3971,

 0.0000, 0.0000,

225.8108, 149.3312

0.0000

249.2848,
273.3134, 186.8584

■ 31.1442, 35.5639,
14.2399

■ 31.1442, 35.5639,
14.2399

■ 30.3887, 35.0265,
10.9870

■ 32.0621, 36.1704,
18.3358

■ 29.7819, 34.5488,
8.5158

■ 33.1500, 36.8452,
23.3262

■ 29.3118, 34.1273,
6.7600

■ 34.4182, 37.5936,
29.2607

■ 28.9637, 33.7562,
5.6417

■ 35.8752, 38.4191,
36.1850

■ 28.7116, 33.4250,
5.0246

■ 37.5292, 39.3250,
44.1416

■ 28.6696, 33.3672,
4.9295

■ 39.3877, 40.3142,
53.1706

■ 41.4580, 41.3897,
63.3100

■ 43.7469, 42.5543,
74.5959

■ 46.2610, 43.8104,
87.0626

Harmonies

Analogous

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



37.3025, 35.5639, 14.4993



31.1442, 35.5639, 14.2399



26.3184, 35.5639, 18.9541

Triad

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



31.1442, 35.5639, 14.2399



25.9149, 35.5639, 66.9285



46.4413, 35.5639, 49.2517

Complementary

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



31.1442, 35.5639, 14.2399



14.7394, 12.3352, 38.6497

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.



42.5856, 35.5639, 68.9249



31.1442, 35.5639, 14.2399



30.5284, 35.5639, 81.0628

Square

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



31.1442, 35.5639, 14.2399



23.5556, 35.5639, 47.0832



36.6077, 35.5639, 81.8878



46.6584, 35.5639, 31.4162

Rectangle

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



31.1442, 35.5639, 14.2399



24.2986, 35.5639, 25.4385



36.6077, 35.5639, 81.8878



45.5083, 35.5639, 55.9760

Sweetspot

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



31.1451, 35.5655, 14.2406



63.4613, 68.7951, 57.8496



21.4473, 15.8978, 11.8475



13.7156, 14.9280, 12.0582



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.



31.1451, 35.5655, 14.2406



55.0411, 63.4831, 19.5020



25.1686, 33.5627, 14.1690



8.1147, 8.7095, 8.0427



21.6614, 25.2201, 3.7263



0.5363, 0.6321, 0.0937

Inverse Universe

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



14.7394, 12.3352, 38.6497



21.6532, 16.2176, 69.2142



18.7093, 13.8882, 38.7402



7.1604, 7.3577, 9.4611



5.4166, 2.2933, 28.1327



0.1408, 0.0738, 0.6875

Previews

White Background



This preview shows how the XYZ color 31.1442, 35.5639, 14.2399 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 31.1442, 35.5639, 14.2399 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 31.1442, 35.5639, 14.2399

Background



This preview shows how black text looks on a background with the XYZ color 31.1442, 35.5639, 14.2399.



This preview shows how white text looks on a background with the XYZ color 31.1442, 35.5639,

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

31.1442, 35.5639, 14.2399

Protanopia

32.5560, 35.5087, 13.9421

Deuteranopia

36.0016, 35.2564, 14.5805



Tritanopia

36.6009, 35.4628, 41.4751

Trichromacy



Original Color

31.1442, 35.5639, 14.2399

Protanomaly

32.0556, 35.5112, 13.9689

Deuteranomaly

34.1098, 35.2743, 14.4620

Tritanomaly

34.0479, 35.1729, 29.0393

Monochromacy



Original Color

31.1442, 35.5639, 14.2399

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9921, 33.9086, 26.3843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1442, 35.5639, 14.2399 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, 164, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 164, 87)  
}
```

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, 164, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 164, 87) }
```

Border

The CSS property to change the border of an element to XYZ 31.1442, 35.5639, 14.2399 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, 164, 87) }
```


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

```
.border{ border-color:rgb(168, 164, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 164, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 164, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 164, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 164,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1442, 35.5639, 14.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 164, 87) }
```

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

```
.background{ background-color: rgb(168,  
164, 87) }
```

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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