

Converting Colors

XYZ(31.1357, 34.9146, 15.4547)

Have a look what the booklet for
XYZ(31.1357, 34.9146, 15.4547)
contains.

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Color

**XYZ(31.2583, 35.0660,
15.4769)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A25D
RGB	169, 162, 93
RGB Percent	66%, 64%, 36%
CMY	0.3373, 0.3647, 0.6353
CMYK	0.00, 0.04, 0.45, 0.34
HSL	54°, 31%, 51%
HSV	54°, 45%, 66%
XYZ	31.2583, 35.0660, 15.4769
YIQ	156.2270, 26.3210, -19.9750

Conversions

Conversions Part 2

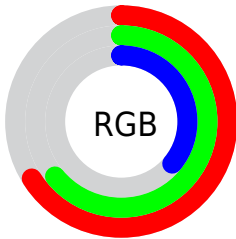
Format	Color
RYB	101, 169, 93
Decimal	11117149
CIELab	65.80, -7.46, 36.66
CIELCh	66, 37.409, 101.502
Yxy	35.0660, 0.3821, 0.4287
Android (android.graphics.Color)	4289307229 (0xFFA9A25D)
YUV	156.2270, -31.1709, 11.2019
Hunter-Lab	59.2166, -9.4052, 25.9555

Details


The XYZ color **31.2583, 35.0660, 15.4769** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2328, 14.3057, 39.4417**, and the grayscale version is **31.8288, 33.4863, 36.4666**.

A 20% lighter version of the original color is **61.2877, 67.8388, 36.6521**, and **13.2093, 15.1956, 4.6197** is the 20% darker color. If you saturate the color by 10%, you get **30.3190, 34.2558, 11.8702**, and if you desaturate by 10%, it is **32.3682, 35.9524, 19.9575**.

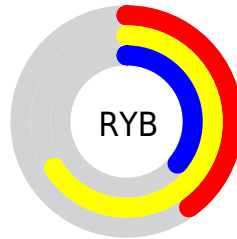
Distribution



 Red (66%)

 Green (64%)

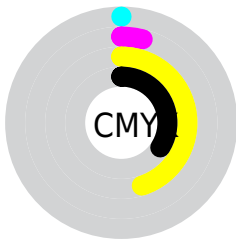
 Blue (36%)



 Red (40%)

 Yellow (66%)

 Blue (36%)

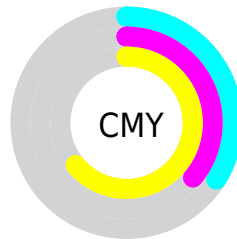


 Cyan (0%)

 Magenta (4%)

 Yellow (45%)

 Black (34%)



 Cyan (34%)

 Magenta (36%)

 Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2583, 35.0660, 15.4769 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 31.2583, 35.0660, 15.4769 by changing the saturation by 10% instead.

■ 31.2583, 35.0660,
15.4769

■ 31.2583, 35.0660,
15.4769

299.5322,
324.8596, 237.9743

■ 20.9484, 23.7137,
9.0044

■ 61.0196, 67.5880,
36.4417

■ 13.1985, 15.1214,
4.6472

■ 81.2017, 89.5265,
51.7712

■ 7.6433, 8.9046,
1.9867

■ 105.4053,
115.7626, 70.8900

■ 3.9175, 4.6790,
0.5471

■ 133.9956,
146.6805, 94.2168

■ 1.6555, 2.0602,
0.0000

167.3381,
182.6648, 122.1701

■ 0.4282, 0.6421,
0.0000

205.7982,

■ 0.0000, 0.0000,

224.0998, 155.1684

0.0000

249.7411,
271.3699, 193.6303

■ 31.2583, 35.0660,
15.4769

■ 31.2583, 35.0660,
15.4769

■ 30.3190, 34.2558,
11.8702

■ 32.3682, 35.9524,
19.9575

■ 29.5366, 33.5125,
9.0770

■ 33.6560, 36.9142,
25.3624

■ 28.8997, 32.8328,
7.0331

■ 35.1320, 37.9566,
31.7411

■ 28.3939, 32.2109,
5.6634

■ 36.8047, 39.0833,
39.1385

■ 28.0018, 31.6398,
4.8754

■ 38.6821, 40.2973,
47.5972

■ 27.8262, 31.3631,
4.5871

■ 40.7718, 41.6018,
57.1570

■ 43.0811, 42.9996,
67.8559

■ 45.6168, 44.4936,
79.7298

■ 48.3854, 46.0863,
92.8132

Harmonies

Analogous

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



36.8096, 35.0660, 16.0085



31.2583, 35.0660, 15.4769



26.7822, 35.0660, 19.6476

Triad

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



31.2583, 35.0660, 15.4769



25.9987, 35.0660, 62.0592



44.4358, 35.0660, 48.6543

Complementary

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



31.2583, 35.0660, 15.4769



16.2328, 14.3057, 39.4417

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.



40.8646, 35.0660, 65.7545



31.2583, 35.0660, 15.4769



30.0754, 35.0660, 74.8483

Square

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



31.2583, 35.0660, 15.4769



23.9771, 35.0660, 44.5651



35.4896, 35.0660, 76.3615



44.8429, 35.0660, 32.4376

Rectangle

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



31.2583, 35.0660, 15.4769



24.8484, 35.0660, 25.4419



35.4896, 35.0660, 76.3615



43.5486, 35.0660, 54.5891

Sweetspot

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



31.2592, 35.0676, 15.4776



63.4141, 68.3178, 59.0141



22.6062, 17.1959, 14.3376



13.6896, 14.7997, 12.2846



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.



31.2592, 35.0676, 15.4776



54.3002, 61.3508, 21.2606



26.7447, 34.6209, 15.6293



8.0870, 8.6540, 8.0334



20.7594, 23.4161, 3.4256



0.5216, 0.6027, 0.0888

Inverse Universe

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



16.2328, 14.3057, 39.4417



23.9486, 19.4294, 69.7131



19.3019, 14.9343, 39.4013



7.1853, 7.4075, 9.4694



5.4893, 2.4387, 28.1569



0.1502, 0.0927, 0.6906

Previews

White Background



This preview shows how the XYZ color 31.2583, 35.0660, 15.4769 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 31.2583, 35.0660, 15.4769 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 31.2583, 35.0660, 15.4769

Background



This preview shows how black text looks on a background with the XYZ color 31.2583, 35.0660, 15.4769.



This preview shows how white text looks on a background with the XYZ color 31.2583, 35.0660,

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

31.2583, 35.0660, 15.4769

Protanopia

32.1818, 35.0283, 15.1902

Deuteranopia

35.7049, 35.0780, 15.7154



Tritanopia

36.5700, 35.2115, 40.9454

Trichromacy



Original Color

31.2583, 35.0660, 15.4769

Protanomaly

31.9102, 35.1467, 15.2274

Deuteranomaly

33.9164, 34.8994, 15.5383

Tritanomaly

34.1727, 34.9767, 29.3762

Monochromacy



Original Color

31.2583, 35.0660, 15.4769

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.1584, 33.7242, 27.0575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2583, 35.0660, 15.4769 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(169, 162, 93)` looks like.

```
.text, #text, p{  
    color:rgb(169, 162, 93)  
}
```

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(169, 162, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 162, 93) }
```

Border

The CSS property to change the border of an element to XYZ 31.2583, 35.0660, 15.4769 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(169, 162, 93) }
```


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

```
.border{ border-color:rgb(169, 162, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 162, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 162, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 162, 93);  
box-shadow:4px 4px 4px 4px rgb(169, 162,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2583, 35.0660, 15.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 162, 93) }
```

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

```
.background{ background-color: rgb(169,  
162, 93) }
```

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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