

Converting Colors

XYZ(31.3959, 34.7758, 46.1060)

Have a look what the booklet for
XYZ(31.3959, 34.7758, 46.1060)
contains.

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Color

**XYZ(31.4149, 34.7322,
46.1225)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA3B0
RGB	138, 163, 176
RGB Percent	54%, 64%, 69%
CMY	0.4588, 0.3608, 0.3098
CMYK	0.22, 0.07, 0.00, 0.31
HSL	201°, 19%, 62%
HSV	201°, 22%, 69%
XYZ	31.4149, 34.7322, 46.1225
YIQ	157.0070, -19.0730, -1.2570

Conversions

Conversions Part 2

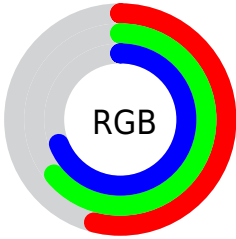
Format	Color
RYB	138, 153, 176
Decimal	9085872
CIELab	65.54, -5.76, -9.62
CIELCh	66, 11.212, 239.078
Yxy	34.7322, 0.2798, 0.3094
Android (android.graphics.Color)	4287275952 (0xFF8AA3B0)
YUV	157.0070, 9.3635, -16.6691
Hunter-Lab	58.9340, -7.9848, -5.1473

Details

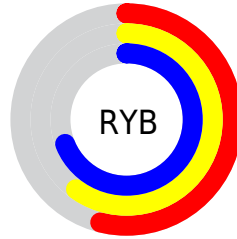
The XYZ color **31.4149, 34.7322, 46.1225** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5590, 33.1985, 28.6848**, and the grayscale version is **32.0171, 33.6845, 36.6824**.

A 20% lighter version of the original color is **61.3751, 67.1755, 86.0753**, and **13.2530, 14.8504, 21.2367** is the 20% darker color. If you saturate the color by 10%, you get **27.6923, 31.2647, 45.6500**, and if you desaturate by 10%, it is **35.6624, 38.5476, 46.6356**.

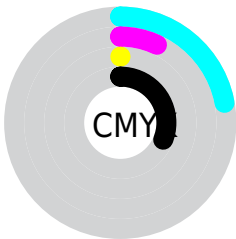
Distribution



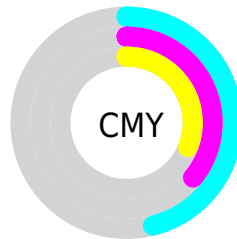
- Red (54%)
- Green (64%)
- Blue (69%)



- Red (54%)
- Yellow (60%)
- Blue (69%)



- Cyan (22%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (46%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4149, 34.7322, 46.1225 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 31.4149, 34.7322, 46.1225 by changing the saturation by 10% instead.

■ 31.4149, 34.7322,
46.1225

■ 31.4149, 34.7322,
46.1225

300.2381,
323.3847, 387.5928

■ 21.0684, 23.4567,
31.9931

■ 61.2641, 67.0707,
85.7385

■ 13.2867, 14.9311,
21.0915

■ 81.4975, 88.9024,
112.0622

■ 7.7046, 8.7710,
12.9990

■ 105.7572,
115.0217, 143.2878

■ 3.9568, 4.5921,
7.2971

134.4086,
145.8129, 179.8339

■ 1.6777, 2.0100,
3.5674

167.8170,
181.6604, 222.1188

■ 0.4422, 0.6133,
1.3911

206.3478,

■ 0.0000, 0.0000,

222.9486, 270.5613

0.1348

250.3664,
270.0619, 325.5797

■ 0.0000, 0.0000,
0.0000

■ 31.4149, 34.7322,
46.1225

■ 31.4149, 34.7322,
46.1225

■ 27.6923, 31.2647,
45.6500

■ 35.6624, 38.5476,
46.6356

■ 24.4680, 28.1277,
45.2144

■ 40.4534, 42.7189,
47.1883

■ 21.7178, 25.3086,
44.8152

■ 45.8097, 47.2592,
47.7823

■ 19.4141, 22.7920,
44.4509

■ 51.7506, 52.1794,
48.4189

■ 17.5261, 20.5610,
44.1198

■ 58.2946, 57.4900,
49.0991

■ 16.0189, 18.5963,
43.8200

■ 65.4593, 63.2011,
49.8238

■ 14.8509, 16.8756,
43.5494

■ 70.9426, 68.1267,
50.4855

■ 14.0587, 15.5790,
43.3409

■ 72.4119, 71.0654,
50.9753

■ 73.9373, 74.1161,
51.4837

Harmonies

Analogous

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



30.3271, 34.7322, 42.3873



31.4149, 34.7322, 46.1225



32.9611, 34.7322, 47.6048

Triad

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



31.4149, 34.7322, 46.1225



36.2726, 34.7322, 37.9633



31.5002, 34.7322, 30.4482

Complementary

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



31.4149, 34.7322, 46.1225



33.5590, 33.1985, 28.6848

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.



33.0628, 34.7322, 29.4729



31.4149, 34.7322, 46.1225



35.8507, 34.7322, 33.5885

Square

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



31.4149, 34.7322, 46.1225



35.7970, 34.7322, 42.6601



34.6622, 34.7322, 30.5745



30.3752, 34.7322, 33.3559

Rectangle

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



31.4149, 34.7322, 46.1225



34.0553, 34.7322, 47.0291



34.6622, 34.7322, 30.5745



31.9900, 34.7322, 29.8948

Sweetspot

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



31.4159, 34.7336, 46.1233



69.3204, 73.9798, 85.1213



31.5662, 38.6781, 34.9391



14.9041, 15.9292, 18.4335



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.



31.4159, 34.7336, 46.1233



53.5760, 59.8570, 83.2251



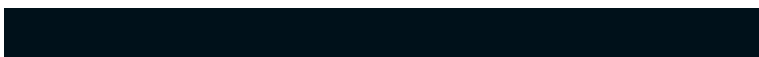
28.3423, 28.5864, 45.0987



8.4930, 9.1322, 10.8214



10.3710, 11.5423, 31.8183



0.3779, 0.4664, 1.0183

Inverse Universe

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



33.6047, 30.0523, 38.6813



58.3355, 50.0340, 66.9625



36.8049, 39.6904, 29.7668



8.7240, 8.5963, 10.0452



15.4694, 7.7053, 12.8980



0.5128, 0.2529, 0.5430

Previews

White Background



This preview shows how the XYZ color 31.4149, 34.7322, 46.1225 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 31.4149, 34.7322, 46.1225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

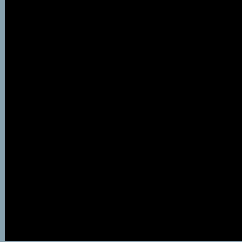
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

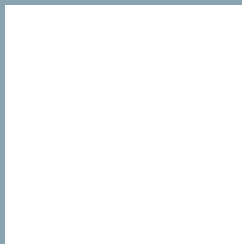
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4149, 34.7322, 46.1225

Background



This preview shows how black text looks on a background with the XYZ color 31.4149, 34.7322, 46.1225.



This preview shows how white text looks on a background with the XYZ color 31.4149, 34.7322,

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

31.4149, 34.7322, 46.1225

Protanopia

33.8702, 34.7400, 44.4555

Deuteranopia

35.2743, 34.6564, 46.9497



Tritanopia

31.4149, 34.7322, 46.1225

Trichromacy



Original Color

31.4149, 34.7322, 46.1225

Protanomaly

32.9733, 34.7769, 45.0191

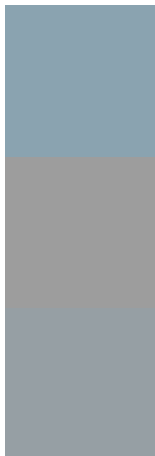
Deuteranomaly

33.6802, 34.5966, 46.4976

Tritanomaly

31.4149, 34.7322, 46.1225

Monochromacy



Original Color

31.4149, 34.7322, 46.1225

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.6767, 33.9606, 40.0075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4149, 34.7322, 46.1225 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(138, 163, 176)` looks like.

```
.text, #text, p{  
    color:rgb(138, 163, 176)  
}
```

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(138, 163, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 163, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.4149, 34.7322, 46.1225 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(138, 163, 176) }
```


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

```
.border{ border-color:rgb(138, 163, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 163, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 163, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 163, 176);  
box-shadow:4px 4px 4px 4px rgb(138, 163,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4149, 34.7322, 46.1225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 163, 176) }
```

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

```
.background{ background-color: rgb(138,  
163, 176) }
```

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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