

Converting Colors

XYZ(31.1930, 36.7513, 46.4964)

Have a look what the booklet for
XYZ(31.1930, 36.7513, 46.4964)
contains.

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Color

**XYZ(31.3015, 36.8496,
46.5372)**

Conversions

Conversions Part 1

Format	Color
Hex	80ABB0
RGB	128, 171, 176
RGB Percent	50%, 67%, 69%
CMY	0.4980, 0.3294, 0.3098
CMYK	0.27, 0.03, 0.00, 0.31
HSL	186°, 23%, 60%
HSV	186°, 27%, 69%
XYZ	31.3015, 36.8496, 46.5372
YIQ	158.7130, -27.2330, -7.5610

Conversions

Conversions Part 2

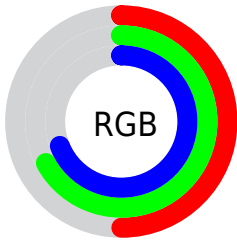
Format	Color
RYB	128, 151, 176
Decimal	8432560
CIELab	67.16, -13.18, -7.27
CIELCh	67, 15.050, 208.869
Yxy	36.8496, 0.2729, 0.3213
Android (android.graphics.Color)	4286622640 (0xFF80ABB0)
YUV	158.7130, 8.5225, -26.9353
Hunter-Lab	60.7039, -14.1896, -2.9606

Details

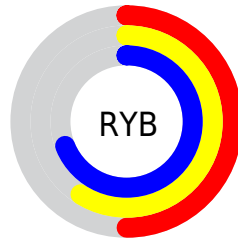
The XYZ color **31.3015, 36.8496, 46.5372** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1888, 27.5640, 24.1522**, and the grayscale version is **32.7958, 34.5037, 37.5745**.

A 20% lighter version of the original color is **61.0532, 70.1640, 86.6691**, and **13.2955, 16.2267, 21.5001** is the 20% darker color. If you saturate the color by 10%, you get **28.5369, 34.9150, 46.3101**, and if you desaturate by 10%, it is **34.5323, 39.0335, 46.7891**.

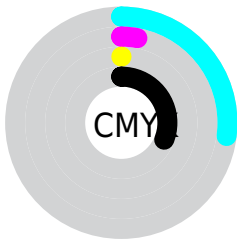
Distribution



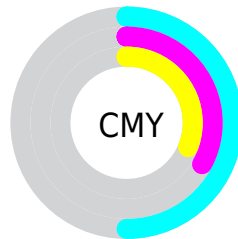
- Red (50%)
- Green (67%)
- Blue (69%)



- Red (50%)
- Yellow (59%)
- Blue (69%)



- Cyan (27%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



- Cyan (50%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3015, 36.8496, 46.5372 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 31.3015, 36.8496, 46.5372 by changing the saturation by 10% instead.

■ 31.3015, 36.8496,
46.5372

■ 31.3015, 36.8496,
46.5372

299.7271,
332.6589, 389.3043

■ 20.9815, 25.0911,
32.3182

■ 61.0871, 70.3414,
86.3651

■ 13.2229, 16.1449,
21.3378

■ 81.2833, 92.8435,
112.8112

■ 7.6602, 9.6268,
13.1775

■ 105.5024,
119.6955, 144.1700

■ 3.9283, 5.1522,
7.4188

134.1096,
151.2819, 180.8601

■ 1.6616, 2.3368,
3.6429

167.4703,
187.9870, 223.3000

■ 0.4321, 0.7931,
1.4316

205.9499,

■ 0.0000, 0.0000,

230.1953, 271.9083

0.1662

249.9137,
278.2911, 327.1036

■ 0.0000, 0.0000,
0.0000

■ 31.3015, 36.8496,
46.5372

■ 31.3015, 36.8496,
46.5372

■ 28.5369, 34.9150,
46.3101

■ 34.5323, 39.0335,
46.7891

■ 26.2115, 33.2129,
46.1041

■ 38.2479, 41.4737,
47.0642

■ 24.3006, 31.7316,
45.9189

■ 42.4702, 44.1821,
47.3645

■ 22.7754, 30.4562,
45.7531

■ 47.2186, 47.1690,
47.6907

■ 21.6039, 29.3702,
45.6053

■ 52.5113, 50.4438,
48.0439

■ 20.7485, 28.4540,
45.4735

■ 58.3659, 54.0155,
48.4247

■ 20.1534, 27.6791,
45.3553

■ 64.7991, 57.8927,
48.8340

■ 20.0081, 27.4776,
45.3241

■ 66.5648, 59.3711,
49.0263

■ 66.9525, 60.1465,
49.1555

Harmonies

Analogous

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



30.7964, 36.8496, 39.8741



31.3015, 36.8496, 46.5372



32.7929, 36.8496, 51.9384

Triad

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



31.3015, 36.8496, 46.5372



38.9380, 36.8496, 47.0156



35.1116, 36.8496, 28.7705

Complementary

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



31.3015, 36.8496, 46.5372



30.1888, 27.5640, 24.1522

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.



37.3550, 36.8496, 30.2508



31.3015, 36.8496, 46.5372



39.6228, 36.8496, 40.3728

Square

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



31.3015, 36.8496, 46.5372



37.1978, 36.8496, 52.2351



39.0315, 36.8496, 34.3269



32.9374, 36.8496, 30.0447

Rectangle

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



31.3015, 36.8496, 46.5372



34.1797, 36.8496, 53.8399



39.0315, 36.8496, 34.3269



35.8830, 36.8496, 28.9593

Sweetspot

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



31.3026, 36.8511, 46.5380



68.7472, 74.8152, 85.3127



28.6480, 37.3285, 27.8140



14.6725, 16.0664, 18.4721



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.



31.3026, 36.8511, 46.5380



53.5134, 64.5699, 84.1381



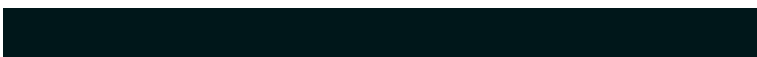
27.2042, 28.6543, 45.1719



8.6656, 9.4773, 10.8789



14.7052, 20.2108, 33.2630



0.4842, 0.6790, 1.0538

Inverse Universe

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



32.9753, 27.6097, 42.1209



57.1229, 45.0273, 74.5168



33.8247, 34.8357, 25.3642



8.8111, 8.6312, 10.5039



17.6572, 8.5804, 24.4183



0.5664, 0.2743, 0.8256

Previews

White Background



This preview shows how the XYZ color 31.3015, 36.8496, 46.5372 looks on a white background.

Color Contrast Check

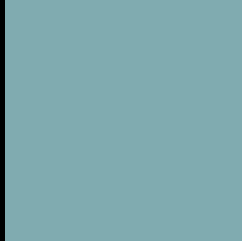
Large Text (above 18pt) WCAG AA × Fail

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 31.3015, 36.8496, 46.5372 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

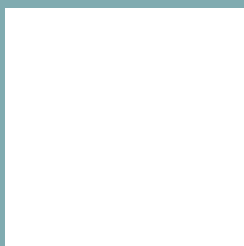
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3015, 36.8496, 46.5372

Background



This preview shows how black text looks on a background with the XYZ color 31.3015, 36.8496, 46.5372.



This preview shows how white text looks on a background with the XYZ color 31.3015, 36.8496,

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

31.3015, 36.8496, 46.5372

Protanopia

35.5809, 36.6734, 43.7314

Deuteranopia

37.3768, 36.4790, 47.7190



Tritanopia

32.1279, 36.9142, 50.2316

Trichromacy



Original Color

31.3015, 36.8496, 46.5372

Protanomaly

33.7605, 36.5067, 44.8023

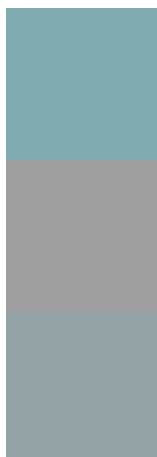
Deuteranomaly

34.8434, 36.4767, 47.3237

Tritanomaly

31.6662, 36.7119, 48.5971

Monochromacy



Original Color

31.3015, 36.8496, 46.5372

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1015, 35.2069, 40.7010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3015, 36.8496, 46.5372 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(128, 171, 176)` looks like.

```
.text, #text, p{  
    color:rgb(128, 171, 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(128, 171, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 171, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.3015, 36.8496, 46.5372 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(128, 171, 176) }
```


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

```
.border{ border-color:rgb(128, 171, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 171, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 171, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 171, 176);  
box-shadow:4px 4px 4px 4px rgb(128, 171,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3015, 36.8496, 46.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 171, 176) }
```

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

```
.background{ background-color: rgb(128,  
171, 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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