

Converting Colors

XYZ(31.2493, 43.2583, 36.6771)

Have a look what the booklet for
XYZ(31.2493, 43.2583, 36.6771)
contains.

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Color

**XYZ(31.1906, 43.0722,
36.8068)**

Conversions

Conversions Part 1

Format	Color
Hex	71BF99
RGB	113, 191, 153
RGB Percent	44%, 75%, 60%
CMY	0.5569, 0.2510, 0.4000
CMYK	0.41, 0.00, 0.20, 0.25
HSL	151°, 38%, 60%
HSV	151°, 41%, 75%
XYZ	31.1906, 43.0722, 36.8068
YIQ	163.3460, -34.2900, -28.3540

Conversions

Conversions Part 2

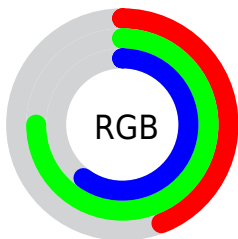
Format	Color
RYB	113, 165, 191
Decimal	7454617
CIELab	71.60, -32.73, 11.72
CIELCh	72, 34.761, 160.297
Yxy	43.0722, 0.2808, 0.3878
Android (android.graphics.Color)	4285644697 (0xFF71BF99)
YUV	163.3460, -5.1006, -44.1534
Hunter-Lab	65.6294, -30.0187, 12.6891

Details

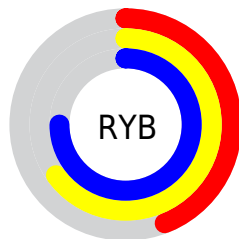
The XYZ color **31.1906, 43.0722, 36.8068** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.9783, 25.1220, 32.3907**, and the grayscale version is **35.0122, 36.8356, 40.1139**.

A 20% lighter version of the original color is **60.9783, 79.9646, 71.2523**, and **13.1476, 19.7804, 15.6954** is the 20% darker color. If you saturate the color by 10%, you get **28.2484, 41.6420, 32.8127**, and if you desaturate by 10%, it is **34.7122, 44.7965, 41.1428**.

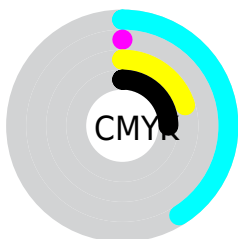
Distribution



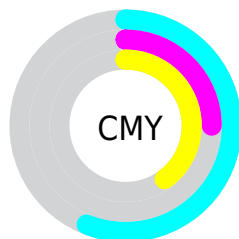
- Red (44%)
- Green (75%)
- Blue (60%)



- Red (44%)
- Yellow (65%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)



- Cyan (56%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1906, 43.0722, 36.8068 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 31.1906, 43.0722, 36.8068 by changing the saturation by 10% instead.

■ 31.1906, 43.0722,
36.8068

■ 31.1906, 43.0722,
36.8068

299.2267,
358.9086, 347.6168

■ 20.8966, 29.9418,
24.7633

■ 60.9138, 79.8198,
71.4585

■ 13.1604, 19.7944,
15.6834

■ 81.0737, 104.2058,
94.9039

■ 7.6169, 12.2457,
9.1485

■ 105.2530,
133.1124, 122.9870

■ 3.9005, 6.9112,
4.7400

133.8169,
166.9240, 156.1263

■ 1.6460, 3.4066,
2.0395

167.1309,
206.0250, 194.7404

■ 0.4221, 1.3475,
0.5794

205.5603,

■ 0.0000, 0.1776,

250.7999, 239.2478

0.0000

249.4704,
301.6329, 290.0671

■ 0.0000, 0.0000,
0.0000

■ 31.1906, 43.0722,
36.8068

■ 31.1906, 43.0722,
36.8068

■ 28.2484, 41.6420,
32.8127

■ 34.7122, 44.7965,
41.1428

■ 25.8481, 40.4832,
29.1490

■ 38.8410, 46.8256,
45.8261

■ 23.9529, 39.5782,
25.8073


■ 43.6068, 49.1759,
50.8657


■ 22.5198, 38.9049,
22.7782

■ 49.0368, 51.8611,
56.2693


■ 21.4980, 38.4375,
20.0512


■ 55.1563, 54.8944,
62.0444

 20.8337, 38.1440,
17.8068

 61.9892, 58.2877,
68.1981

 69.5585, 62.0529,
74.7376

 73.7984, 64.0939,
81.4782

 75.1214, 64.6231,
88.4451

Harmonies

Analogous

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



34.0534, 43.0722, 26.2835



31.1906, 43.0722, 36.8068



30.7920, 43.0722, 52.9275

Triad

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



31.1906, 43.0722, 36.8068



42.9932, 43.0722, 86.5146



50.1816, 43.0722, 28.9192

Complementary

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



31.1906, 43.0722, 36.8068



32.9783, 25.1220, 32.3907

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.



53.1007, 43.0722, 41.3453



31.1906, 43.0722, 36.8068



48.6950, 43.0722, 76.1828

Square

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



31.1906, 43.0722, 36.8068



37.2441, 43.0722, 84.4639



52.5320, 43.0722, 58.6839



44.8701, 43.0722, 22.5423

Rectangle

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



31.1906, 43.0722, 36.8068



31.9323, 43.0722, 65.2031



52.5320, 43.0722, 58.6839



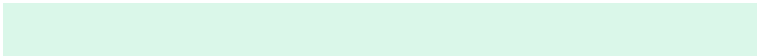
51.4972, 43.0722, 32.3865

Sweetspot

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



31.1918, 43.0740, 36.8078



76.8743, 87.4669, 89.8388



34.5617, 45.1311, 22.5129



16.6231, 19.0797, 19.4603



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.1918, 43.0740, 36.8078



51.1036, 74.8266, 59.4969



34.8462, 44.5357, 56.0520



9.6075, 10.7291, 11.1825



13.7319, 25.0830, 11.9170



0.5708, 0.9957, 0.6403

Inverse Universe

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



32.9783, 25.1220, 32.3907



54.7390, 38.3087, 50.5175



30.3728, 24.0798, 18.6704



9.7186, 9.6117, 10.9073



15.4607, 7.8154, 7.7196



0.6387, 0.3194, 0.4765

Previews

White Background



This preview shows how the XYZ color 31.1906, 43.0722, 36.8068 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 31.1906, 43.0722, 36.8068 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

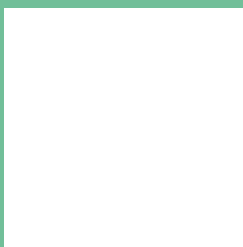
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1906, 43.0722, 36.8068

Background



This preview shows how black text looks on a background with the XYZ color 31.1906, 43.0722, 36.8068.



This preview shows how white text looks on a background with the XYZ color 31.1906, 43.0722,

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

31.1906, 43.0722, 36.8068

Protanopia

40.0141, 42.5068, 32.8837

Deuteranopia

43.2001, 42.3442, 38.2441



Tritanopia

36.0865, 43.1531, 61.0710

Trichromacy



Original Color

31.1906, 43.0722, 36.8068



Protanomaly

35.7671, 42.0497, 34.2483



Deuteranomaly

37.2520, 41.5580, 37.5106



Tritanomaly

34.0633, 42.9526, 51.2951

Monochromacy



Original Color

31.1906, 43.0722, 36.8068



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.8786, 38.4101, 38.4819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1906, 43.0722, 36.8068 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(113, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(113, 191, 153)  
}
```

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(113, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 191, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.1906, 43.0722, 36.8068 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(113, 191, 153) }
```


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

```
.border{ border-color:rgb(113, 191, 153) }
```

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

Here you see how a box with a 4 pixel rgb(113, 191, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(113, 191,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1906, 43.0722, 36.8068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 191, 153) }
```

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

```
.background{ background-color: rgb(113,  
191, 153) }
```

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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