

Converting Colors

XYZ(30.7201, 32.0174, 40.5171)

Have a look what the booklet for
XYZ(30.7201, 32.0174, 40.5171)
contains.

XYZ(30.6686, 31.9252, 40.6222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.6686, 31.9252,
40.6222)**

Conversions

Conversions Part 1

Format	Color
Hex	9599A6
RGB	149, 153, 166
RGB Percent	58%, 60%, 65%
CMY	0.4157, 0.4000, 0.3490
CMYK	0.10, 0.08, 0.00, 0.35
HSL	226°, 9%, 62%
HSV	226°, 10%, 65%
XYZ	30.6686, 31.9252, 40.6222
YIQ	153.2860, -6.5570, 3.1950

Conversions

Conversions Part 2

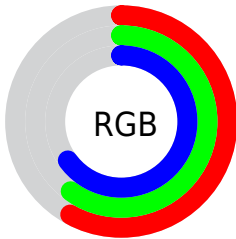
Format	Color
RYB	149, 152, 166
Decimal	9804198
CIELab	63.28, 1.21, -7.29
CIElCh	63, 7.388, 279.462
Yxy	31.9252, 0.2971, 0.3093
Android (android.graphics.Color)	4287994278 (0xFF9599A6)
YUV	153.2860, 6.2680, -3.7588
Hunter-Lab	56.5024, -1.9922, -3.0747

Details

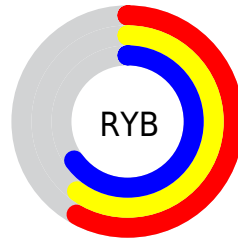
The XYZ color **30.6686, 31.9252, 40.6222** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0712, 36.1174, 33.6100**, and the grayscale version is **30.3792, 31.9613, 34.8058**.

A 20% lighter version of the original color is **59.9926, 62.5426, 77.3166**, and **12.8256, 13.3143, 17.8135** is the 20% darker color. If you saturate the color by 10%, you get **25.8853, 26.5385, 39.8351**, and if you desaturate by 10%, it is **36.1065, 37.9791, 41.5046**.

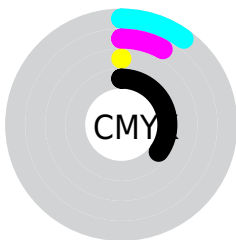
Distribution



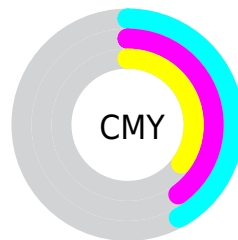
- Red (58%)
- Green (60%)
- Blue (65%)



- Red (58%)
- Yellow (60%)
- Blue (65%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6686, 31.9252, 40.6222 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 30.6686, 31.9252, 40.6222 by changing the saturation by 10% instead.

■ 30.6686, 31.9252,
40.6222

■ 30.6686, 31.9252,
40.6222

296.8629,
310.7784, 364.3689

■ 20.4972, 21.3044,
27.7065

■ 60.0973, 62.6938,
77.3575

■ 12.8673, 13.3467,
17.8674

■ 80.0854, 83.6104,
102.0142

■ 7.4136, 7.6677,
10.6864

104.0764,
108.7277, 131.4216

■ 3.7707, 3.8831,
5.7449

132.4357,
138.4300, 165.9983

■ 1.5733, 1.6084,
2.6243

165.5286,
173.1019, 206.1629

■ 0.3749, 0.3632,
0.9050

203.7206,

■ 0.0000, 0.0000,

213.1276, 252.3338

0.0000

247.3769,
258.8917, 304.9296

■ 30.6686, 31.9252,
40.6222

■ 30.6686, 31.9252,
40.6222

■ 25.8853, 26.5385,
39.8351

■ 36.1065, 37.9791,
41.5046

■ 21.7287, 21.7919,
39.1379

■ 42.2198, 44.7182,
42.4832

■ 18.1731, 17.6621,
38.5282

■ 49.0319, 52.1646,
43.5615

■ 15.1897, 14.1232,
38.0024

■ 56.5642, 60.3385,
44.7422

■ 12.7476, 11.1470,
37.5566

■ 64.8373, 69.2591,
46.0280

■ 10.8126, 8.7031,
37.1869

■ 73.8708, 78.9449,
47.4214

■ 9.3463, 6.7580,
36.8888

■ 79.8299, 87.4270,
48.7445

■ 8.3045, 5.2738,
36.6572

■ 83.7365, 95.2401,
50.0467

■ 7.6112, 4.2095,
36.4883

■ 83.8830, 95.5332,
50.0956

Harmonies

Analogous

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



29.6587, 31.9252, 40.3106



30.6686, 31.9252, 40.6222



31.6120, 31.9252, 39.2966

Triad

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



30.6686, 31.9252, 40.6222



31.8888, 31.9252, 31.3007



28.5381, 31.9252, 32.8210

Complementary

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



30.6686, 31.9252, 40.6222



34.0712, 36.1174, 33.6100

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.



29.1103, 31.9252, 30.5888



30.6686, 31.9252, 40.6222



31.0396, 31.9252, 29.7459

Square

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



30.6686, 31.9252, 40.6222



32.3268, 31.9252, 33.8428



30.0216, 31.9252, 29.4928



28.4438, 31.9252, 35.6959

Rectangle

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



30.6686, 31.9252, 40.6222



32.0707, 31.9252, 37.7043



30.0216, 31.9252, 29.4928



28.6803, 31.9252, 31.9752

Sweetspot

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



30.6695, 31.9265, 40.6229



62.6289, 65.7110, 74.8579



32.5306, 36.2623, 39.3514



13.8369, 14.5068, 16.7229



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.



30.6695, 31.9265, 40.6229



53.8476, 55.9099, 73.4289



30.8151, 31.0454, 40.4452



7.2699, 7.5766, 9.4976



5.9331, 3.3264, 28.3048



0.1820, 0.1562, 0.7012

Inverse Universe

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



32.2239, 31.9025, 34.5979



57.1775, 55.8867, 60.5149



33.9111, 37.0982, 33.8077



7.6008, 7.5702, 8.2151



12.4954, 6.4069, 2.1541



0.3230, 0.1635, 0.1524

Previews

White Background



This preview shows how the XYZ color 30.6686, 31.9252, 40.6222 looks on a white background.

Color Contrast Check

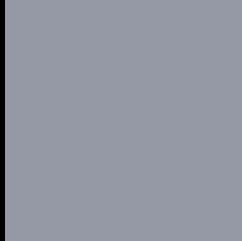
Large Text (above 18pt) WCAG AA × Fail

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 30.6686, 31.9252, 40.6222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

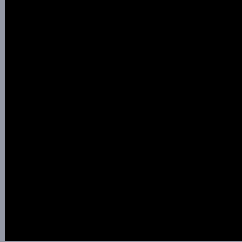
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6686, 31.9252, 40.6222

Background



This preview shows how black text looks on a background with the XYZ color 30.6686, 31.9252, 40.6222.

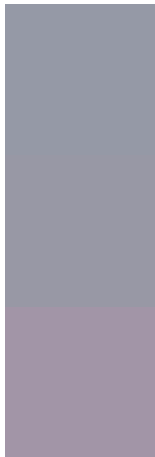


This preview shows how white text looks on a background with the XYZ color 30.6686, 31.9252,

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

30.6686, 31.9252, 40.6222

Protanopia

30.9687, 31.8485, 40.1125

Deuteranopia

32.6228, 31.9663, 41.0099



Tritanopia

30.5772, 31.8886, 40.1408

Trichromacy



Original Color

30.6686, 31.9252, 40.6222

Protanomaly

30.7823, 31.7524, 40.1037

Deuteranomaly

31.7860, 31.7708, 41.0163

Tritanomaly

30.5772, 31.8886, 40.1408

Monochromacy



Original Color

30.6686, 31.9252, 40.6222

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.5117, 31.9265, 36.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6686, 31.9252, 40.6222 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(149, 153, 166)` looks like.

```
.text, #text, p{  
    color:rgb(149, 153, 166)  
}
```

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(149, 153, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 153, 166) }
```

Border

The CSS property to change the border of an element to XYZ 30.6686, 31.9252, 40.6222 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(149, 153, 166) }
```


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

```
.border{ border-color:rgb(149, 153, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 153, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 153, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 153, 166);  
box-shadow:4px 4px 4px 4px rgb(149, 153,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6686, 31.9252, 40.6222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 153, 166) }
```

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

```
.background{ background-color: rgb(149,  
153, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor