

Converting Colors

XYZ(30.9103, 32.3094, 41.7999)

Have a look what the booklet for
XYZ(30.9103, 32.3094, 41.7999)
contains.

XYZ(30.8362, 32.2343, 41.6424)	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(30.8362, 32.2343,
41.6424)**

Conversions

Conversions Part 1

Format	Color
Hex	949AA8
RGB	148, 154, 168
RGB Percent	58%, 60%, 66%
CMY	0.4196, 0.3961, 0.3412
CMYK	0.12, 0.08, 0.00, 0.34
HSL	222°, 10%, 62%
HSV	222°, 12%, 66%
XYZ	30.8362, 32.2343, 41.6424
YIQ	153.8020, -8.0700, 3.0820

Conversions

Conversions Part 2

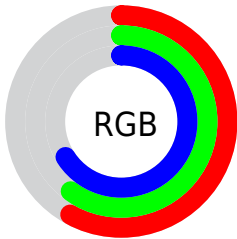
Format	Color
RYB	148, 153, 168
Decimal	9738920
CIELab	63.54, 0.74, -8.04
CIELCh	64, 8.077, 275.247
Yxy	32.2343, 0.2945, 0.3078
Android (android.graphics.Color)	4287929000 (0xFF949AA8)
YUV	153.8020, 6.9996, -5.0884
Hunter-Lab	56.7753, -2.4085, -3.7442

Details

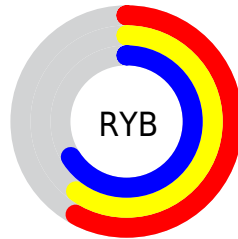
The XYZ color **30.8362, 32.2343, 41.6424** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.4141, 36.3032, 33.2108**, and the grayscale version is **30.6020, 32.1957, 35.0611**.

A 20% lighter version of the original color is **60.2323, 62.9960, 78.7969**, and **12.9324, 13.5028, 18.4477** is the 20% darker color. If you saturate the color by 10%, you get **26.1689, 27.0878, 40.8955**, and if you desaturate by 10%, it is **36.1366, 37.9911, 42.4747**.

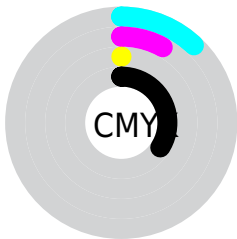
Distribution



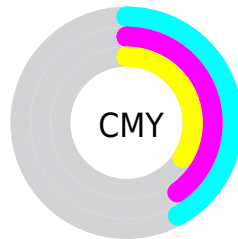
- Red (58%)
- Green (60%)
- Blue (66%)



- Red (58%)
- Yellow (60%)
- Blue (66%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (34%)



- Cyan (42%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8362, 32.2343, 41.6424 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 30.8362, 32.2343, 41.6424 by changing the saturation by 10% instead.

■ 30.8362, 32.2343,
41.6424

■ 30.8362, 32.2343,
41.6424

297.6234,
312.1852, 368.7542

■ 20.6254, 21.5405,
28.4979

■ 60.3597, 63.1782,
78.9224

■ 12.9613, 13.5197,
18.4590

■ 80.4031, 84.1971,
103.8949

■ 7.4787, 7.7874,
11.1072

104.4546,
109.4266, 133.6472

■ 3.8122, 3.9592,
6.0239

132.8798,
139.2509, 168.5979

■ 1.5965, 1.6508,
2.7906

166.0439,
174.0546, 209.1653

■ 0.3901, 0.3915,
0.9887

204.3123,

■ 0.0000, 0.0000,

214.2219, 255.7682

0.0000

248.0503,
260.1373, 308.8250

■ 30.8362, 32.2343,
41.6424

■ 30.8362, 32.2343,
41.6424

■ 26.1689, 27.0878,
40.8955

■ 36.1366, 37.9911,
42.4747

■ 22.1074, 22.5270,
40.2293

■ 42.0903, 44.3737,
43.3929

■ 18.6268, 18.5313,
39.6415

■ 48.7200, 51.4022,
44.4001

■ 15.6991, 15.0774,
39.1291

■ 56.0464, 59.0945,
45.4987

■ 13.2939, 12.1403,
38.6890

■ 64.0894, 67.4677,
46.6910

■ 11.3779, 9.6930,
38.3176

■ 72.8682, 76.5384,
47.9791

■ 9.9131, 7.7052,
38.0111

■ 78.3924, 84.2560,
49.1776

■ 8.8557, 6.1429,
37.7653

■ 81.8958, 91.2629,
50.3454

■ 8.2267, 5.1447,
37.6057

■ 84.0680, 95.6072,
51.0695

Harmonies

Analogous

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



29.7400, 32.2343, 41.0359



30.8362, 32.2343, 41.6424



31.9045, 32.2343, 40.4097

Triad

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



30.8362, 32.2343, 41.6424



32.4404, 32.2343, 31.6390



28.7131, 32.2343, 32.5646

Complementary

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



30.8362, 32.2343, 41.6424



34.4141, 36.3032, 33.2108

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.



29.4050, 32.2343, 30.2728



30.8362, 32.2343, 41.6424



31.5533, 32.2343, 29.7618

Square

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



30.8362, 32.2343, 41.6424



32.8450, 32.2343, 34.5336



30.4401, 32.2343, 29.2773



28.5316, 32.2343, 35.6679

Rectangle

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



30.8362, 32.2343, 41.6424



32.4515, 32.2343, 38.7527



30.4401, 32.2343, 29.2773



28.8928, 32.2343, 31.6800

Sweetspot

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



30.8372, 32.2356, 41.6431



63.3894, 66.5790, 76.7351



32.7079, 36.8985, 39.4260



13.6586, 14.3408, 16.7003



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.



30.8372, 32.2356, 41.6431



53.8637, 56.2004, 75.2339



30.5449, 30.6507, 41.3526



7.3085, 7.6540, 9.5105



6.2527, 3.9655, 28.4114



0.1963, 0.1849, 0.7060

Inverse Universe

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



32.5718, 31.8383, 35.0022



57.5864, 55.3977, 60.9706



34.7272, 38.0720, 33.5357



7.6203, 7.5780, 8.3179



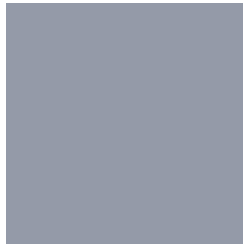
12.6566, 6.4714, 3.0035



0.3302, 0.1664, 0.1905

Previews

White Background



This preview shows how the XYZ color 30.8362, 32.2343, 41.6424 looks on a white background.

Color Contrast Check

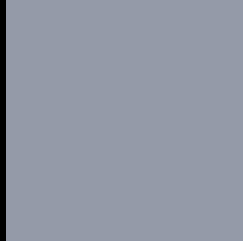
Large Text (above 18pt) WCAG AA × Fail

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 30.8362, 32.2343, 41.6424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

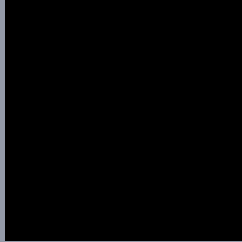
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

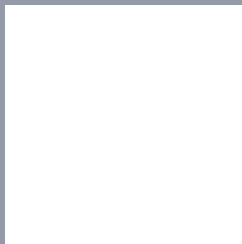
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8362, 32.2343, 41.6424

Background



This preview shows how black text looks on a background with the XYZ color 30.8362, 32.2343, 41.6424.

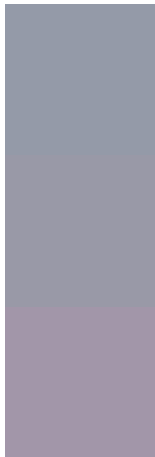


This preview shows how white text looks on a background with the XYZ color 30.8362, 32.2343,

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

30.8362, 32.2343, 41.6424

Protanopia

31.5032, 32.3448, 41.1420

Deuteranopia

32.9681, 32.3586, 42.0444



Tritanopia

30.6513, 32.1603, 40.6685

Trichromacy



Original Color

30.8362, 32.2343, 41.6424

Protanomaly

31.1288, 32.1518, 41.1245

Deuteranomaly

32.1327, 32.1659, 42.0512

Tritanomaly

30.7434, 32.1971, 41.1535

Monochromacy



Original Color

30.8362, 32.2343, 41.6424

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7625, 32.2898, 37.4121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8362, 32.2343, 41.6424 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(148, 154, 168)` looks like.

```
.text, #text, p{  
    color:rgb(148, 154, 168)  
}
```

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(148, 154, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 154, 168) }
```

Border

The CSS property to change the border of an element to XYZ 30.8362, 32.2343, 41.6424 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(148, 154, 168) }
```


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

```
.border{ border-color:rgb(148, 154, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 154, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 154, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 154, 168);  
box-shadow:4px 4px 4px 4px rgb(148, 154,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8362, 32.2343, 41.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 154, 168) }
```

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

```
.background{ background-color: rgb(148,  
154, 168) }
```

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