

Converting Colors

XYZ(30.8170, 32.4918, 40.7237)

Have a look what the booklet for
XYZ(30.8170, 32.4918, 40.7237)
contains.

XYZ(30.8170, 32.4918, 40.7237)	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(30.8170, 32.4918,
40.7237)**

Conversions

Conversions Part 1

Format	Color
Hex	949BA6
RGB	148, 155, 166
RGB Percent	58%, 61%, 65%
CMY	0.4196, 0.3921, 0.3490
CMYK	0.11, 0.07, 0.00, 0.35
HSL	217°, 9%, 62%
HSV	217°, 11%, 65%
XYZ	30.8170, 32.4918, 40.7237
YIQ	154.1610, -7.7030, 1.9370

Conversions

Conversions Part 2

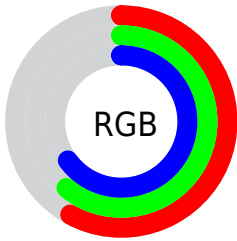
Format	Color
R_{YB}	148, 153, 166
Decimal	9739174
CIE Lab	63.75, -0.24, -6.60
CIE LCh	64, 6.608, 267.891
Yxy	32.4918, 0.2962, 0.3123
Android (android.graphics.Color)	4287929254 (0xFF949BA6)
YUV	154.1610, 5.8366, -5.4032
Hunter-Lab	57.0016, -3.2496, -2.4575

Details

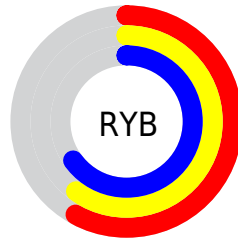
The XYZ color **30.8170, 32.4918, 40.7237** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4694, 35.0410, 33.0170**, and the grayscale version is **30.7642, 32.3664, 35.2470**.

A 20% lighter version of the original color is **60.2087, 63.3779, 77.4664**, and **12.9173, 13.6569, 17.8748** is the 20% darker color. If you saturate the color by 10%, you get **26.4096, 27.8191, 40.0546**, and if you desaturate by 10%, it is **35.7987, 37.6728, 41.4617**.

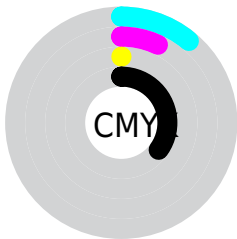
Distribution



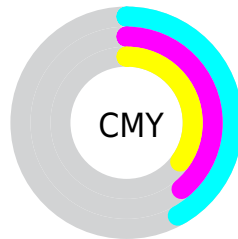
- Red (58%)
- Green (61%)
- Blue (65%)



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



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8170, 32.4918, 40.7237 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 30.8170, 32.4918, 40.7237 by changing the saturation by 10% instead.

■ 30.8170, 32.4918,
40.7237

■ 30.8170, 32.4918,
40.7237

297.5363,
313.3535, 364.8069

■ 20.6107, 21.7374,
27.7852

■ 60.3296, 63.5813,
77.5134

■ 12.9506, 13.6641,
17.9262

■ 80.3667, 84.6852,
102.2016

■ 7.4713, 7.8874,
10.7281

104.4113,
110.0077, 131.6435

■ 3.8075, 4.0230,
5.7724

132.8290,
139.9332, 166.2577

■ 1.5938, 1.6864,
2.6407

165.9849,
174.8462, 206.4625

■ 0.3884, 0.4148,
0.9133

204.2446,

■ 0.0000, 0.0000,

215.1310, 252.6766

0.0000

247.9732,
261.1719, 305.3186

■ 30.8170, 32.4918,
40.7237

■ 30.8170, 32.4918,
40.7237

■ 26.4096, 27.8191,
40.0546

■ 35.7987, 37.6728,
41.4617

■ 22.5520, 23.6344,
39.4502

■ 41.3724, 43.3735,
42.2683

■ 19.2220, 19.9216,
38.9090

■ 47.5585, 49.6101,
43.1460

■ 16.3946, 16.6623,
38.4290

■ 54.3755, 56.3969,
44.0967

■ 14.0429, 13.8369,
38.0075

■ 61.8411, 63.7475,
45.1220

■ 12.1371, 11.4237,
37.6422

■ 69.9724, 71.6750,
46.2236

■ 10.6436, 9.3992,
37.3301

■ 75.3189, 78.4050,
47.2408

■ 9.5232, 7.7363,
37.0682

■ 78.1589, 84.0850,
48.1875

■ 8.7493, 6.4858,
36.8676

■ 81.1648, 90.0967,
49.1894

Harmonies

Analogous

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



29.9455, 32.4918, 39.8766



30.8170, 32.4918, 40.7237



31.7231, 32.4918, 40.0802

Triad

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



30.8170, 32.4918, 40.7237



32.4834, 32.4918, 33.0453



29.3984, 32.4918, 32.7357

Complementary

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



30.8170, 32.4918, 40.7237



33.4694, 35.0410, 33.0170

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.



30.0568, 32.4918, 31.0589



30.8170, 32.4918, 40.7237



31.8388, 32.4918, 31.2313

Square

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



30.8170, 32.4918, 40.7237



32.6966, 32.4918, 35.5660



30.9481, 32.4918, 30.5219



29.1367, 32.4918, 35.1907

Rectangle

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



30.8170, 32.4918, 40.7237



32.2226, 32.4918, 38.9095



30.9481, 32.4918, 30.5219



29.5800, 32.4918, 32.0670

Sweetspot

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



30.8180, 32.4932, 40.7244



62.8790, 66.2112, 74.9412



32.0901, 36.0651, 37.9804



13.9068, 14.6466, 16.7463



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.



30.8180, 32.4932, 40.7244



53.9189, 56.8543, 73.6074



30.0142, 30.3986, 40.3625



7.3622, 7.7613, 9.5284



6.8273, 5.1147, 28.6029



0.2160, 0.2242, 0.7125

Inverse Universe

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



32.2329, 31.6540, 35.4230



57.0178, 55.0734, 61.9839



34.3332, 37.3249, 33.4123



7.6474, 7.5888, 8.4605



12.9467, 6.5874, 4.5308



0.3402, 0.1703, 0.2429

Previews

White Background



This preview shows how the XYZ color 30.8170, 32.4918, 40.7237 looks on a white background.

Color Contrast Check

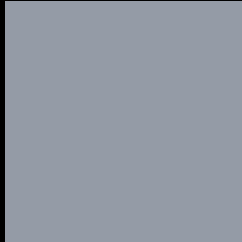
Large Text (above 18pt) WCAG AA × Fail

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 30.8170, 32.4918, 40.7237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

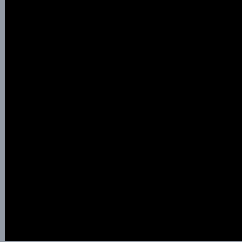
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

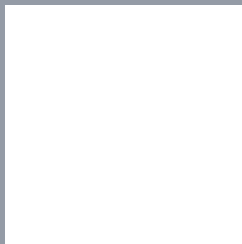
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8170, 32.4918, 40.7237

Background



This preview shows how black text looks on a background with the XYZ color 30.8170, 32.4918, 40.7237.

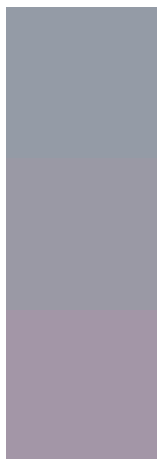


This preview shows how white text looks on a background with the XYZ color 30.8170, 32.4918,

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

30.8170, 32.4918, 40.7237

Protanopia

31.5092, 32.3691, 40.1845

Deuteranopia

32.9857, 32.3892, 41.0724



Tritanopia

30.9091, 32.5286, 41.2088

Trichromacy



Original Color

30.8170, 32.4918, 40.7237

Protanomaly

31.2960, 32.5032, 40.2216

Deuteranomaly

32.3038, 32.5156, 41.1328

Tritanomaly

30.9091, 32.5286, 41.2088

Monochromacy



Original Color

30.8170, 32.4918, 40.7237

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.6761, 32.2552, 36.9568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8170, 32.4918, 40.7237 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, 155, 166) looks like.

```
.text, #text, p{  
    color:rgb(148, 155, 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(148, 155, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 155, 166) }
```

Border

The CSS property to change the border of an element to XYZ 30.8170, 32.4918, 40.7237 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, 155, 166) }
```


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

```
.border{ border-color:rgb(148, 155, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 155, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 155, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 155, 166);  
box-shadow:4px 4px 4px 4px rgb(148, 155,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8170, 32.4918, 40.7237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 155, 166) }
```

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

```
.background{ background-color: rgb(148,  
155, 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