

Converting Colors

XYZ(31.0067, 32.8095, 41.8430)

Have a look what the booklet for
XYZ(31.0067, 32.8095, 41.8430)
contains.

| | |
|--|----|
| XYZ(30.9890, 32.8071, 41.7449) | 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(30.9890, 32.8071,
41.7449)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 939CA8 |
| RGB | 147, 156, 168 |
| RGB Percent | 58%, 61%, 66% |
| CMY | 0.4235, 0.3882, 0.3412 |
| CMYK | 0.12, 0.07, 0.00, 0.34 |
| HSL | 214°, 11%, 62% |
| HSV | 214°, 12%, 66% |
| XYZ | 30.9890, 32.8071, 41.7449 |
| YIQ | 154.6770, -9.2160, 1.8240 |

Conversions

Conversions Part 2

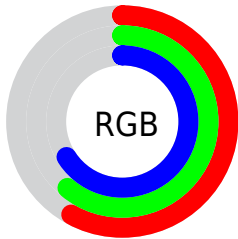
| Format | Color |
|-------------------------------------|---|
| RYB | 147, 153, 168 |
| Decimal | 9673896 |
| CIELab | 64.00, -0.71, -7.35 |
| CIELCh | 64, 7.389, 264.458 |
| Yxy | 32.8071, 0.2936, 0.3108 |
| Android (android.graphics.Color) | 4287863976 (0xFF939CA8) |
| YUV | 154.6770, 6.5682, -6.7327 |
| Hunter-Lab | 57.2775, -3.6612, -3.1174 |

Details

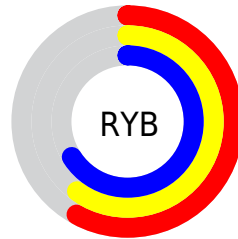
The XYZ color **30.9890, 32.8071, 41.7449** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8133, 35.2277, 32.6220**, and the grayscale version is **30.9886, 32.6025, 35.5041**.

A 20% lighter version of the original color is **60.4533, 63.8384, 78.9479**, and **13.0278, 13.8509, 18.5098** is the 20% darker color. If you saturate the color by 10%, you get **26.6463, 28.2718, 41.0989**, and if you desaturate by 10%, it is **35.9009, 37.8266, 42.4554**.

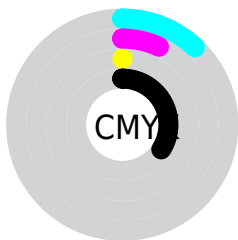
Distribution



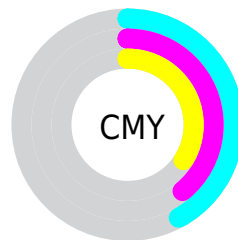
- Red (58%)
- Green (61%)
- Blue (66%)



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



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (34%)



- Cyan (42%)
- Magenta (39%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9890, 32.8071, 41.7449 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 30.9890, 32.8071, 41.7449 by changing the saturation by 10% instead.

■ 30.9890, 32.8071,
41.7449

■ 30.9890, 32.8071,
41.7449

298.3154,
314.7796, 369.1928

■ 20.7423, 21.9787,
28.5775

■ 60.5987, 64.0742,
79.0793

■ 13.0471, 13.8413,
18.5186

■ 80.6924, 85.2818,
104.0834

■ 7.5382, 8.0103,
11.1497

104.7991,
110.7179, 133.8702

■ 3.8502, 4.1016,
6.0522

133.2842,
140.7668, 168.8582

■ 1.6178, 1.7305,
2.8075

166.5130,
175.8131, 209.4659

■ 0.4039, 0.4433,
0.9972

204.8509,

■ 0.0000, 0.0000,

216.2410, 256.1118

0.0000

248.6633,
262.4351, 309.2146

■ 30.9890, 32.8071,
41.7449

■ 30.9890, 32.8071,
41.7449

■ 26.6463, 28.2718,
41.0989

■ 35.9009, 37.8266,
42.4554

■ 22.8480, 24.2009,
40.5133

■ 41.3999, 43.3410,
43.2299

■ 19.5716, 20.5792,
39.9870

■ 47.5064, 49.3658,
44.0710

■ 16.7920, 17.3890,
39.5177

■ 54.2390, 55.9146,
44.9802

■ 14.4816, 14.6113,
39.1033

■ 61.6157, 63.0005,
45.9591

■ 12.6101, 12.2254,
38.7414

■ 69.6536, 70.6359,
47.0093

■ 11.1429, 10.2080,
38.4294

■ 74.7474, 76.9660,
47.9626

■ 10.0396, 8.5327,
38.1641

■ 77.3881, 82.2474,
48.8428

■ 9.3863, 7.4639,
37.9923

■ 80.1765, 87.8243,
49.7723

Harmonies

Analogous

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



30.0315, 32.8071, 40.5988



30.9890, 32.8071, 41.7449



32.0194, 32.8071, 41.2055

Triad

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



30.9890, 32.8071, 41.7449



33.0425, 32.8071, 33.3970



29.5795, 32.8071, 32.4873

Complementary

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



30.9890, 32.8071, 41.7449



33.8133, 35.2277, 32.6220

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.



30.3596, 32.8071, 30.7468



30.9890, 32.8071, 41.7449



32.3619, 32.8071, 31.2511

Square

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



30.9890, 32.8071, 41.7449



33.2200, 32.8071, 36.2786



31.3761, 32.8071, 30.3070



29.2294, 32.8071, 35.1699

Rectangle

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



30.9890, 32.8071, 41.7449



32.6072, 32.8071, 39.9772



31.3761, 32.8071, 30.3070



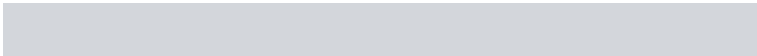
29.7993, 32.8071, 31.7788

Sweetspot

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



30.9900, 32.8085, 41.7456



63.6742, 67.1487, 76.8301



32.2852, 36.7087, 38.1399



13.7314, 14.4864, 16.7246



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.



30.9900, 32.8085, 41.7456



53.9456, 57.1634, 75.4155



29.7875, 30.0286, 41.2724



7.3863, 7.8096, 9.5364



7.1370, 5.7343, 28.7062



0.2248, 0.2418, 0.7155

Inverse Universe

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



32.5837, 31.5934, 35.8348



57.4327, 54.5892, 62.4637



35.1216, 38.2844, 33.1430



7.6596, 7.5937, 8.5246



13.1030, 6.6499, 5.3542



0.3446, 0.1721, 0.2662

Previews

White Background



This preview shows how the XYZ color 30.9890, 32.8071, 41.7449 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 30.9890, 32.8071, 41.7449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

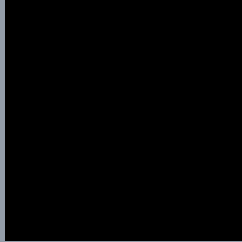
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

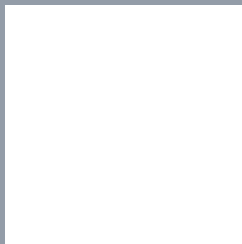
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9890, 32.8071, 41.7449

Background



This preview shows how black text looks on a background with the XYZ color 30.9890, 32.8071, 41.7449.

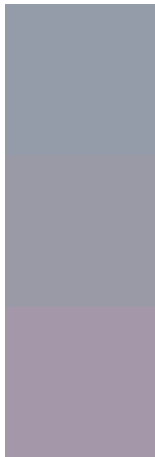


This preview shows how white text looks on a background with the XYZ color 30.9890, 32.8071,

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

30.9890, 32.8071, 41.7449

Protanopia

31.8571, 32.7712, 41.2057

Deuteranopia

33.3323, 32.7843, 42.1073



Tritanopia

30.9890, 32.8071, 41.7449

Trichromacy



Original Color

30.9890, 32.8071, 41.7449

Protanomaly

31.4589, 32.8120, 41.2345

Deuteranomaly

32.4573, 32.8151, 42.1594

Tritanomaly

30.9890, 32.8071, 41.7449

Monochromacy



Original Color

30.9890, 32.8071, 41.7449

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0154, 32.6562, 37.9263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9890, 32.8071, 41.7449 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(147, 156, 168)` looks like.

```
.text, #text, p{  
    color:rgb(147, 156, 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(147, 156, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 156, 168) }
```

Border

The CSS property to change the border of an element to XYZ 30.9890, 32.8071, 41.7449 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(147, 156, 168) }
```


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

```
.border{ border-color:rgb(147, 156, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 156, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 156, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 156, 168);  
box-shadow:4px 4px 4px 4px rgb(147, 156,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9890, 32.8071, 41.7449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 156, 168) }
```

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

```
.background{ background-color: rgb(147,  
156, 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](#).

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