

Converting Colors

XYZ(31.2081, 39.7472, 11.6277)

Have a look what the booklet for
XYZ(31.2081, 39.7472, 11.6277)
contains.

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Color

**XYZ(31.2948, 39.9390,
11.6898)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB345
RGB	158, 179, 69
RGB Percent	62%, 70%, 27%
CMY	0.3804, 0.2980, 0.7294
CMYK	0.12, 0.00, 0.61, 0.30
HSL	71°, 44%, 49%
HSV	71°, 61%, 70%
XYZ	31.2948, 39.9390, 11.6898
YIQ	160.1810, 22.7940, -38.6620

Conversions

Conversions Part 2

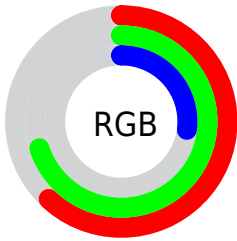
Format	Color
RYB	69, 179, 90
Decimal	10400581
CIELab	69.43, -22.95, 52.23
CIELCh	69, 57.052, 113.725
Yxy	39.9390, 0.3774, 0.4816
Android (android.graphics.Color)	4288590661 (0xFF9EB345)
YUV	160.1810, -44.9522, -1.9127
Hunter-Lab	63.1973, -22.2035, 33.2711

Details

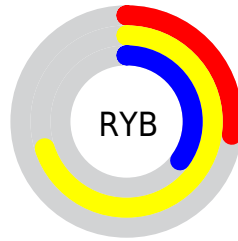
The XYZ color **31.2948, 39.9390, 11.6898** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.4827, 9.6856, 43.7565**, and the grayscale version is **33.6917, 35.4463, 38.6010**.

A 20% lighter version of the original color is **61.2455, 75.2689, 29.7127**, and **13.2191, 17.8845, 3.0138** is the 20% darker color. If you saturate the color by 10%, you get **30.1582, 39.4092, 9.1611**, and if you desaturate by 10%, it is **32.6196, 40.5491, 15.1037**.

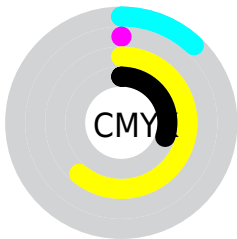
Distribution



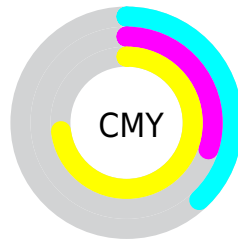
- Red (62%)
- Green (70%)
- Blue (27%)



- Red (27%)
- Yellow (70%)
- Blue (35%)



- Cyan (12%)
- Magenta (0%)
- Yellow (61%)
- Black (30%)



- Cyan (38%)
- Magenta (30%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2948, 39.9390, 11.6898 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 31.2948, 39.9390, 11.6898 by changing the saturation by 10% instead.

■ 31.2948, 39.9390,
11.6898

■ 31.2948, 39.9390,
11.6898

299.6969,
345.8664, 213.2452

■ 20.9764, 27.4910,
6.4129

■ 61.0766, 75.0706,
29.5848

■ 13.2191, 17.9423,
3.0249

■ 81.2707, 98.5230,
43.0399

■ 7.6576, 10.9086,
1.1074

■ 105.4873,
126.4123, 60.0581

■ 3.9266, 6.0054,
0.0000

■ 134.0919,
159.1229, 81.0580

■ 1.6607, 2.8484,
0.0000

■ 167.4498,
197.0393, 106.4582

■ 0.4315, 1.0531,
0.0000

205.9264,

■ 0.0000, 0.0000,

240.5457, 136.6770

0.0000

249.8869,
290.0266, 172.1332

■ 31.2948, 39.9390,
11.6898

■ 31.2948, 39.9390,
11.6898

■ 30.1582, 39.4092,
9.1611

■ 32.6196, 40.5491,
15.1037

■ 29.1912, 38.9479,
7.4329

■ 34.1437, 41.2397,
19.4724

■ 28.3761, 38.5495,
6.4085

■ 35.8803, 42.0175,
24.8612

■ 27.7669, 38.2457,
5.9187

■ 37.8408, 42.8870,
31.3291

■ 40.0357, 43.8525,
38.9307

■ 42.4747, 44.9180,
47.7166

■ 45.1672, 46.0870,
57.7347

■ 48.1217, 47.3632,
69.0300

■ 51.3465, 48.7498,
81.6454

Harmonies

Analogous

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



39.9224, 39.9390, 10.1138



31.2948, 39.9390, 11.6898



25.4385, 39.9390, 19.9163

Triad

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



31.2948, 39.9390, 11.6898



28.4486, 39.9390, 98.2733



58.3402, 39.9390, 49.2476

Complementary

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



31.2948, 39.9390, 11.6898



14.4827, 9.6856, 43.7565

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.



54.0369, 39.9390, 80.7621



31.2948, 39.9390, 11.6898



36.0646, 39.9390, 115.5414

Square

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



31.2948, 39.9390, 11.6898



23.9899, 39.9390, 67.1523



45.5120, 39.9390, 108.0956



56.5145, 39.9390, 26.1588

Rectangle

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



31.2948, 39.9390, 11.6898



23.4171, 39.9390, 30.8062



45.5120, 39.9390, 108.0956



57.5430, 39.9390, 59.2422

Sweetspot

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



31.2957, 39.9408, 11.6906



68.9591, 77.3305, 60.1681



23.2523, 17.1871, 7.7227



15.0356, 17.0257, 12.5035



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.2957, 39.9408, 11.6906



53.3174, 70.2489, 15.0705



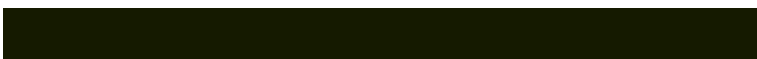
22.8853, 35.6051, 11.2970



9.0349, 9.8230, 9.0724



19.6722, 27.0515, 4.1846



0.6599, 0.8723, 0.1336

Inverse Universe

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



14.4827, 9.6856, 43.7565



20.7326, 11.4293, 77.4945



21.7969, 13.4562, 44.0988



8.1884, 8.3057, 10.6779



6.2626, 2.5643, 30.3019



0.2419, 0.1038, 0.9555

Previews

White Background



This preview shows how the XYZ color 31.2948, 39.9390, 11.6898 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 31.2948, 39.9390, 11.6898 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 31.2948, 39.9390, 11.6898

Background



This preview shows how black text looks on a background with the XYZ color 31.2948, 39.9390, 11.6898.



This preview shows how white text looks on a background with the XYZ color 31.2948, 39.9390,

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

31.2948, 39.9390, 11.6898

Protanopia

36.3444, 39.9616, 10.9521

Deuteranopia

40.5592, 39.6858, 12.0010



Tritanopia

38.9207, 39.8875, 49.3638

Trichromacy



Original Color

31.2948, 39.9390, 11.6898

Protanomaly

34.3168, 39.7574, 11.1754

Deuteranomaly

36.6582, 39.5495, 11.8326

Tritanomaly

35.2120, 39.5055, 30.5804

Monochromacy



Original Color

31.2948, 39.9390, 11.6898

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.9476, 36.5407, 25.4479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2948, 39.9390, 11.6898 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(158, 179, 69)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 69)  
}
```

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(158, 179, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 69) }
```

Border

The CSS property to change the border of an element to XYZ 31.2948, 39.9390, 11.6898 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(158, 179, 69) }
```


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

```
.border{ border-color:rgb(158, 179, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 179, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 179, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 179, 69);  
box-shadow:4px 4px 4px 4px rgb(158, 179,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2948, 39.9390, 11.6898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 179, 69) }
```

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

```
.background{ background-color: rgb(158,  
179, 69) }
```

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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