

Converting Colors

XYZ(31.6942, 33.8736, 10.0220)

Have a look what the booklet for
XYZ(31.6942, 33.8736, 10.0220)
contains.

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Color

**XYZ(31.6942, 33.8736,
10.0220)**

Conversions

Conversions Part 1

Format	Color
Hex	B49C42
RGB	180, 156, 66
RGB Percent	71%, 61%, 26%
CMY	0.2941, 0.3882, 0.7412
CMYK	0.00, 0.13, 0.63, 0.29
HSL	47°, 46%, 48%
HSV	47°, 63%, 71%
XYZ	31.6942, 33.8736, 10.0220
YIQ	152.9160, 43.1940, -22.9020

Conversions

Conversions Part 2

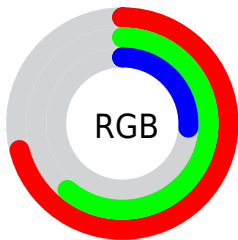
Format	Color
RYB	96, 180, 66
Decimal	11836482
CIELab	64.86, -1.82, 49.12
CIElCh	65, 49.150, 92.122
Yxy	33.8736, 0.4193, 0.4481
Android (android.graphics.Color)	4290026562 (0xFFB49C42)
YUV	152.9160, -42.8496, 23.7527
Hunter-Lab	58.2010, -4.6471, 30.5312

Details

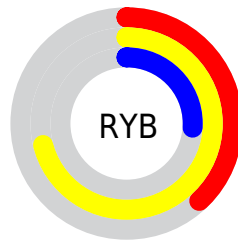
The XYZ color **31.6942, 33.8736, 10.0220** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.1410, 11.7654, 44.7053**, and the grayscale version is **30.4099, 31.9936, 34.8410**.

A 20% lighter version of the original color is **61.5765, 65.5783, 26.5520**, and **13.4185, 14.4102, 2.3614** is the 20% darker color. If you saturate the color by 10%, you get **30.6192, 32.4434, 7.4450**, and if you desaturate by 10%, it is **32.9576, 35.4135, 13.4864**.

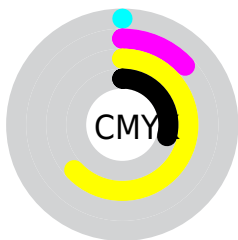
Distribution



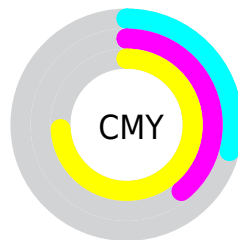
- Red (71%)
- Green (61%)
- Blue (26%)



- Red (38%)
- Yellow (71%)
- Blue (26%)



- Cyan (0%)
- Magenta (13%)
- Yellow (63%)
- Black (29%)





- Cyan (29%)
- Magenta (39%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6942, 33.8736, 10.0220 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 31.6942, 33.8736, 10.0220 by changing the saturation by 10% instead.


 31.6942, 33.8736,
10.0220


 31.6942, 33.8736,
10.0220


301.4940,
319.5681, 201.3195

 21.2824, 22.7965,
5.3078


 61.6998, 65.7371,
26.4453


 13.4443, 14.4433,
2.3671


 82.0244, 87.2922,
38.9915

 7.8143, 8.4296,
0.7684


 106.3840,
113.1089, 54.9854

 4.0271, 4.3711,
0.0000

 135.1439,
143.5714, 74.8455

 1.7175, 1.8832,
0.0000

 168.6694,
179.0642, 98.9905

 0.4672, 0.5383,
0.0000

207.3261,

 0.0000, 0.0000,

219.9716, 127.8388

0.0000

251.4792,
266.6781, 161.8089

■ 31.6942, 33.8736,
10.0220

■ 31.6942, 33.8736,
10.0220

■ 30.6192, 32.4434,
7.4450

■ 32.9576, 35.4135,
13.4864

■ 29.7137, 31.1112,
5.6674

■ 34.4215, 37.0642,
17.9109

■ 28.9589, 29.8704,
4.5872

■ 36.0993, 38.8329,
23.3628

■ 28.5120, 29.0828,
4.1108

■ 38.0029, 40.7245,
29.9032

■ 40.1431, 42.7434,
37.5879

■ 42.5299, 44.8942,
46.4693

■ 45.1727, 47.1807,
56.5962

■ 48.0805, 49.6069,
68.0149

■ 51.2619, 52.1763,
80.7693

Harmonies

Analogous

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



38.9937, 33.8736, 12.0310



31.6942, 33.8736, 10.0220



25.4831, 33.8736, 12.7284

Triad

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



31.6942, 33.8736, 10.0220



21.9834, 33.8736, 61.7544



45.7984, 33.8736, 58.2941

Complementary

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



31.6942, 33.8736, 10.0220



14.1410, 11.7654, 44.7053

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.



39.9946, 33.8736, 80.7639



31.6942, 33.8736, 10.0220



26.2378, 33.8736, 83.2238

Square

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



31.6942, 33.8736, 10.0220



20.4129, 33.8736, 38.3457



32.7027, 33.8736, 91.2085



47.8148, 33.8736, 35.4572

Rectangle

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



31.6942, 33.8736, 10.0220



22.5974, 33.8736, 17.7426



32.7027, 33.8736, 91.2085



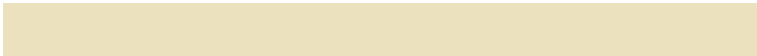
44.1875, 33.8736, 66.3906

Sweetspot

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



31.6950, 33.8752, 10.0227



70.4103, 75.2813, 59.5498



22.6461, 14.3501, 11.4065



14.9881, 16.0514, 12.0529



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.



31.6950, 33.8752, 10.0227



54.8329, 57.8478, 12.0562



29.4632, 39.3036, 11.1881



9.0422, 9.5969, 9.0283



19.9495, 20.3976, 2.8857



0.6658, 0.7181, 0.1035

Inverse Universe

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



14.1410, 11.7654, 44.7053



20.5734, 14.8002, 80.0670



15.2561, 9.8054, 44.2682



8.1821, 8.5105, 10.7178



6.2718, 3.3439, 30.4519



0.2392, 0.1889, 0.9721

Previews

White Background



This preview shows how the XYZ color 31.6942, 33.8736, 10.0220 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 31.6942, 33.8736, 10.0220 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 31.6942, 33.8736, 10.0220

Background



This preview shows how black text looks on a background with the XYZ color 31.6942, 33.8736, 10.0220.



This preview shows how white text looks on a background with the XYZ color 31.6942, 33.8736,

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

31.6942, 33.8736, 10.0220

Protanopia

30.9192, 33.9729, 10.2380

Deuteranopia

34.4554, 33.8321, 10.1831



Tritanopia

37.1895, 33.7178, 36.8958

Trichromacy



Original Color

31.6942, 33.8736, 10.0220

Protanomaly

31.2016, 33.8663, 10.2025

Deuteranomaly

33.4766, 33.8089, 10.0715

Tritanomaly

34.6156, 33.6076, 24.0645

Monochromacy



Original Color

31.6942, 33.8736, 10.0220

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1110, 32.2782, 22.7325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6942, 33.8736, 10.0220 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(180, 156, 66)` looks like.

```
.text, #text, p{  
    color:rgb(180, 156, 66)  
}
```

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(180, 156, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 156, 66) }
```

Border

The CSS property to change the border of an element to XYZ 31.6942, 33.8736, 10.0220 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(180, 156, 66) }
```


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

```
.border{ border-color:rgb(180, 156, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 156, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 156, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 156, 66);  
box-shadow:4px 4px 4px 4px rgb(180, 156,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6942, 33.8736, 10.0220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 156, 66) }
```

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

```
.background{ background-color: rgb(180,  
156, 66) }
```

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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