

Converting Colors

XYZ(31.5186, 37.2181, 48.4749)

Have a look what the booklet for
XYZ(31.5186, 37.2181, 48.4749)
contains.

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Color

**XYZ(31.5949, 37.2360,
48.7020)**

Conversions

Conversions Part 1

Format	Color
Hex	7EACB4
RGB	126, 172, 180
RGB Percent	49%, 67%, 71%
CMY	0.5059, 0.3255, 0.2941
CMYK	0.30, 0.04, 0.00, 0.29
HSL	189°, 26%, 60%
HSV	189°, 30%, 71%
XYZ	31.5949, 37.2360, 48.7020
YIQ	159.1580, -29.9840, -7.2640

Conversions

Conversions Part 2

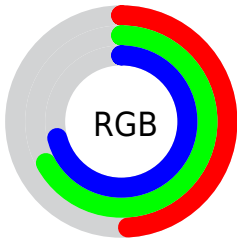
Format	Color
RYB	126, 151, 180
Decimal	8301748
CIELab	67.45, -13.35, -9.07
CIElCh	67, 16.141, 214.180
Yxy	37.2360, 0.2688, 0.3168
Android (android.graphics.Color)	4286491828 (0xFF7EACB4)
YUV	159.1580, 10.2751, -29.0796
Hunter-Lab	61.0213, -14.3656, -4.6053

Details

The XYZ color **31.5949, 37.2360, 48.7020** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.1137, 28.2599, 23.5542**, and the grayscale version is **32.9921, 34.7102, 37.7995**.

A 20% lighter version of the original color is **61.4318, 70.6976, 89.7651**, and **13.3713, 16.4211, 22.5435** is the 20% darker color. If you saturate the color by 10%, you get **28.6738, 34.9853, 48.4222**, and if you desaturate by 10%, it is **35.0060, 39.7562, 49.0093**.

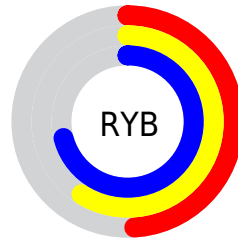
Distribution



Red (49%)

Green (67%)

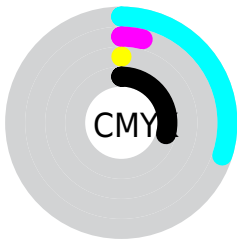
Blue (71%)



Red (49%)

Yellow (59%)

Blue (71%)

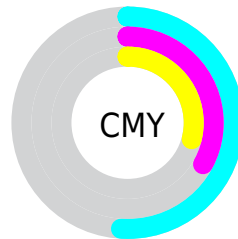


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5949, 37.2360, 48.7020 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 31.5949, 37.2360, 48.7020 by changing the saturation by 10% instead.

■ 31.5949, 37.2360,
48.7020

■ 31.5949, 37.2360,
48.7020

301.0479,
334.3311, 398.1567

■ 21.2063, 25.3903,
34.0192

■ 61.5450, 70.9356,
89.6251

■ 13.3882, 16.3681,
22.6309

■ 81.8372, 93.5583,
116.7025

■ 7.7752, 9.7850,
14.1185

■ 106.1613,
120.5420, 148.7485

■ 4.0021, 5.2566,
8.0634

134.8826,
152.2713, 186.1817

■ 1.7033, 2.3986,
4.0472

168.3666,
189.1304, 229.4205

■ 0.4583, 0.8252,
1.6513

206.9786,

■ 0.0000, 0.0000,

231.5039, 278.8836

0.3270

251.0839,
279.7760, 334.9895

■ 0.0000, 0.0000,
0.0000

■ 31.5949, 37.2360,
48.7020

■ 31.5949, 37.2360,
48.7020

■ 28.6738, 34.9853,
48.4222

■ 35.0060, 39.7562,
49.0093

■ 26.2136, 32.9864,
48.1660

■ 38.9276, 42.5539,
49.3426

■ 24.1874, 31.2261,
47.9330

■ 43.3828, 45.6419,
49.7038

■ 22.5641, 29.6883,
47.7218

■ 48.3926, 49.0313,
50.0940

■ 21.3081, 28.3547,
47.5305

■ 53.9767, 52.7321,
50.5140

■ 20.3776, 27.2035,
47.3574

■ 60.1539, 56.7542,
50.9648

■ 19.6856, 26.1899,
47.1982

■ 66.9421, 61.1069,
51.4472

■ 19.6856, 26.1899,
47.1982

■ 68.6215, 62.8417,
51.6935

■ 69.2175, 64.0337,
51.8922

Harmonies

Analogous

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



30.8497, 37.2360, 41.5462



31.5949, 37.2360, 48.7020



33.3569, 37.2360, 54.1076

Triad

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



31.5949, 37.2360, 48.7020



39.8558, 37.2360, 46.7815



35.0456, 37.2360, 28.4014

Complementary

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



31.5949, 37.2360, 48.7020



31.1137, 28.2599, 23.5542

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.



37.5076, 37.2360, 29.4602



31.5949, 37.2360, 48.7020



40.3590, 37.2360, 39.5574

Square

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



31.5949, 37.2360, 48.7020



38.1362, 37.2360, 52.9112



39.4811, 37.2360, 33.3515



32.7822, 37.2360, 30.2712

Rectangle

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



31.5949, 37.2360, 48.7020



34.9108, 37.2360, 55.6887



39.4811, 37.2360, 33.3515



35.8770, 37.2360, 28.4283

Sweetspot

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



31.5960, 37.2375, 48.7029



71.2279, 77.6109, 89.5209



29.1736, 38.7778, 28.2108



15.1589, 16.6087, 19.3291



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.



31.5960, 37.2375, 48.7029



53.6875, 64.7640, 87.9657



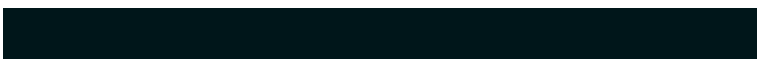
27.0912, 28.2278, 47.2012



8.6333, 9.4128, 10.8682



13.7777, 18.3557, 32.9538



0.4626, 0.6357, 1.0466

Inverse Universe

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



33.7305, 27.6044, 42.5819



58.2555, 44.7317, 74.7353



35.1944, 36.4214, 24.9145



8.7948, 8.6247, 10.4181



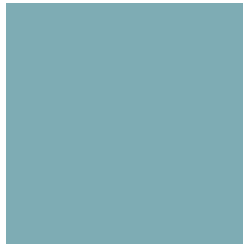
17.1890, 8.3932, 21.9529



0.5555, 0.2700, 0.7680

Previews

White Background



This preview shows how the XYZ color 31.5949, 37.2360, 48.7020 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 31.5949, 37.2360, 48.7020 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 31.5949, 37.2360, 48.7020

Background



This preview shows how black text looks on a background with the XYZ color 31.5949, 37.2360, 48.7020.

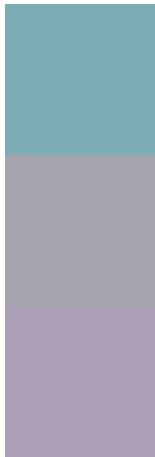


This preview shows how white text looks on a background with the XYZ color 31.5949, 37.2360,

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

31.5949, 37.2360, 48.7020

Protanopia

36.0470, 37.1429, 45.3138

Deuteranopia

37.7400, 36.8731, 49.9279



Tritanopia

32.0723, 37.1406, 51.3774

Trichromacy



Original Color

31.5949, 37.2360, 48.7020

Protanomaly

34.0504, 36.8911, 46.4003

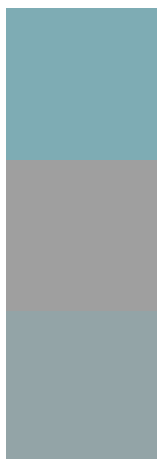
Deuteranomaly

35.2365, 36.8969, 49.5206

Tritanomaly

31.8625, 37.0567, 50.2731

Monochromacy



Original Color

31.5949, 37.2360, 48.7020

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2831, 35.5440, 41.7184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5949, 37.2360, 48.7020 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(126, 172, 180)` looks like.

```
.text, #text, p{  
    color:rgb(126, 172, 180)  
}
```

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(126, 172, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 172, 180) }
```

Border

The CSS property to change the border of an element to XYZ 31.5949, 37.2360, 48.7020 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(126, 172, 180) }
```


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

```
.border{ border-color:rgb(126, 172, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 172, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 172, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 172, 180);  
box-shadow:4px 4px 4px 4px rgb(126, 172,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5949, 37.2360, 48.7020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 172, 180) }
```

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

```
.background{ background-color: rgb(126,  
172, 180) }
```

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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