

Converting Colors

XYZ(31.8359, 37.5930, 47.8153)

Have a look what the booklet for
XYZ(31.8359, 37.5930, 47.8153)
contains.

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Color

**XYZ(31.8815, 37.6907,
47.7142)**

Conversions

Conversions Part 1

Format	Color
Hex	80ADB2
RGB	128, 173, 178
RGB Percent	50%, 68%, 70%
CMY	0.4980, 0.3216, 0.3020
CMYK	0.28, 0.03, 0.00, 0.30
HSL	186°, 25%, 60%
HSV	186°, 28%, 70%
XYZ	31.8815, 37.6907, 47.7142
YIQ	160.1150, -28.4250, -7.9850

Conversions

Conversions Part 2

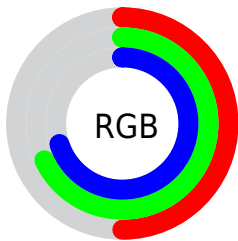
Format	Color
RYB	128, 152, 178
Decimal	8433074
CIELab	67.79, -13.77, -7.44
CIELCh	68, 15.650, 208.398
Yxy	37.6907, 0.2718, 0.3214
Android (android.graphics.Color)	4286623154 (0xFF80ADB2)
YUV	160.1150, 8.8173, -28.1649
Hunter-Lab	61.3928, -14.7416, -3.1050

Details

The XYZ color **31.8815, 37.6907, 47.7142** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.6443, 27.7987, 24.1733**, and the grayscale version is **33.4375, 35.1788, 38.3098**.

A 20% lighter version of the original color is **61.8861, 71.3724, 88.3564**, and **13.5996, 16.7332, 21.9151** is the 20% darker color. If you saturate the color by 10%, you get **29.0969, 35.7530, 47.4876**, and if you desaturate by 10%, it is **35.1426, 39.8827, 47.9660**.

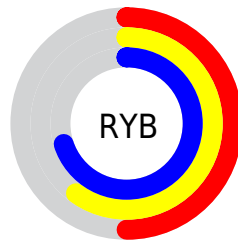
Distribution



Red (50%)

Green (68%)

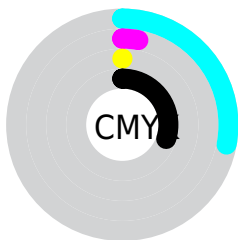
Blue (70%)



Red (50%)

Yellow (60%)

Blue (70%)

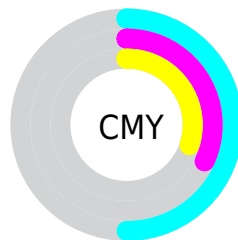


Cyan (28%)

Magenta (3%)

Yellow (0%)

Black (30%)



Cyan (50%)

Magenta (32%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8815, 37.6907, 47.7142 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 31.8815, 37.6907, 47.7142 by changing the saturation by 10% instead.

■ 31.8815, 37.6907,
47.7142

■ 31.8815, 37.6907,
47.7142

302.3340,
336.2913, 394.1341

■ 21.4261, 25.7427,
33.2422

■ 61.9917, 71.6338,
88.1398

■ 13.5501, 16.6313,
22.0394

■ 82.3773, 94.3977,
114.9306

■ 7.8880, 9.9719,
13.6873

■ 106.8036,
121.5358, 146.6647

■ 4.0746, 5.3804,
7.7672

135.6360,
153.4323, 183.7606

■ 1.7444, 2.4721,
3.8607

169.2399,
190.4717, 226.6370

■ 0.4838, 0.8626,
1.5493

207.9806,

■ 0.0000, 0.0000,

233.0384, 275.7124

0.2542

252.2235,
281.5168, 331.4052

■ 0.0000, 0.0000,
0.0000

■ 31.8815, 37.6907,
47.7142

■ 31.8815, 37.6907,
47.7142

■ 29.0969, 35.7530,
47.4876

■ 35.1426, 39.8827,
47.9660

■ 26.7608, 34.0522,
47.2824

■ 38.8996, 42.3362,
48.2416

■ 24.8476, 32.5762,
47.0984

■ 43.1749, 45.0636,
48.5427

■ 23.3276, 31.3096,
46.9340

■ 47.9885, 48.0754,
48.8703

■ 22.1674, 30.2351,
46.7877

■ 53.3594, 51.3813,
49.2254

■ 21.3277, 29.3324,
46.6578

■ 59.3057, 54.9907,
49.6087

■ 20.7447, 28.5687,
46.5411

■ 65.8445, 58.9125,
50.0210

■ 20.6430, 28.4285,
46.5194

■ 67.0967, 60.1159,
50.1873

■ 67.4772, 60.8767,
50.3141

Harmonies

Analogous

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



31.3675, 37.6907, 40.6670



31.8815, 37.6907, 47.7142



33.4386, 37.6907, 53.4784

Triad

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



31.8815, 37.6907, 47.7142



39.9384, 37.6907, 48.4319



35.9542, 37.6907, 29.0984

Complementary

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



31.8815, 37.6907, 47.7142



30.6443, 27.7987, 24.1733

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.



38.3200, 37.6907, 30.6953



31.8815, 37.6907, 47.7142



40.6835, 37.6907, 41.4128

Square

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



31.8815, 37.6907, 47.7142



38.0846, 37.6907, 53.9245



40.0786, 37.6907, 35.0169



33.6544, 37.6907, 30.3891

Rectangle

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



31.8815, 37.6907, 47.7142



34.8954, 37.6907, 55.5388



40.0786, 37.6907, 35.0169



36.7686, 37.6907, 29.3115

Sweetspot

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



31.8826, 37.6922, 47.7151



70.5053, 76.7499, 87.4793



28.9994, 38.1012, 27.7161



15.3815, 16.8495, 19.3638



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.



31.8826, 37.6922, 47.7151



54.4380, 66.0156, 86.2543



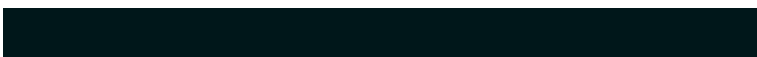
27.6597, 29.2464, 46.3074



8.6686, 9.4835, 10.8799



14.7962, 20.3928, 33.2934



0.4863, 0.6832, 1.0545

Inverse Universe

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



33.6230, 27.9212, 43.1541



58.1880, 45.3875, 76.3313



34.3422, 35.1946, 25.4059



8.8127, 8.6318, 10.5121



17.7031, 8.5988, 24.6602



0.5675, 0.2748, 0.8312

Previews

White Background



This preview shows how the XYZ color 31.8815, 37.6907, 47.7142 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 31.8815, 37.6907, 47.7142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

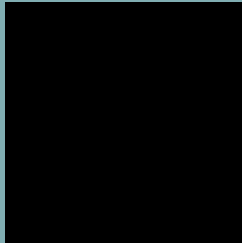
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8815, 37.6907, 47.7142

Background



This preview shows how black text looks on a background with the XYZ color 31.8815, 37.6907, 47.7142.

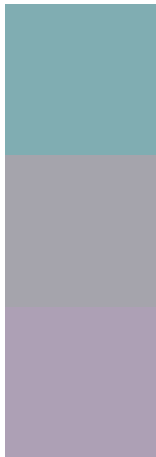


This preview shows how white text looks on a background with the XYZ color 31.8815, 37.6907,

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

31.8815, 37.6907, 47.7142

Protanopia

36.2389, 37.5288, 44.3635

Deuteranopia

38.1449, 37.3620, 48.9172



Tritanopia

32.8214, 37.7960, 52.0199

Trichromacy



Original Color

31.8815, 37.6907, 47.7142

Protanomaly

34.4076, 37.3688, 45.4438

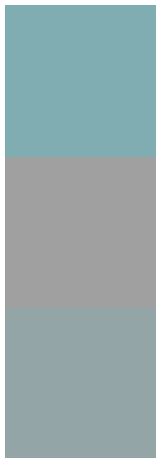
Deuteranomaly

35.5980, 37.3737, 48.5176

Tritanomaly

32.3530, 37.5911, 50.3504

Monochromacy



Original Color

31.8815, 37.6907, 47.7142

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6429, 35.9962, 41.7867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8815, 37.6907, 47.7142 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(128, 173, 178)` looks like.

```
.text, #text, p{  
    color:rgb(128, 173, 178)  
}
```

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(128, 173, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 173, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.8815, 37.6907, 47.7142 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(128, 173, 178) }
```


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

```
.border{ border-color:rgb(128, 173, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 173, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 173, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 173, 178);  
box-shadow:4px 4px 4px 4px rgb(128, 173,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8815, 37.6907, 47.7142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 173, 178) }
```

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

```
.background{ background-color: rgb(128,  
173, 178) }
```

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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