

Converting Colors

XYZ(31.4447, 36.2014, 42.3940)

Have a look what the booklet for
XYZ(31.4447, 36.2014, 42.3940)
contains.

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Color

**XYZ(31.3870, 36.1508,
42.3693)**

Conversions

Conversions Part 1

Format	Color
Hex	89A8A8
RGB	137, 168, 168
RGB Percent	54%, 66%, 66%
CMY	0.4627, 0.3412, 0.3412
CMYK	0.18, 0.00, 0.00, 0.34
HSL	180°, 15%, 60%
HSV	180°, 18%, 66%
XYZ	31.3870, 36.1508, 42.3693
YIQ	158.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

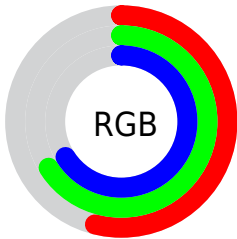
Format	Color
RYB	137, 153, 168
Decimal	9021608
CIELab	66.63, -10.59, -3.54
CIElCh	67, 11.161, 198.490
Yxy	36.1508, 0.2856, 0.3289
Android (android.graphics.Color)	4287211688 (0xFF89A8A8)
YUV	158.7310, 4.5696, -19.0581
Hunter-Lab	60.1255, -12.0383, 0.3074

Details

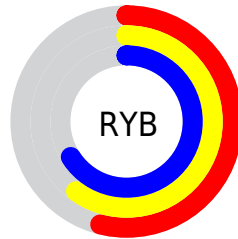
The XYZ color **31.3870, 36.1508, 42.3693** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.6107, 28.0232, 27.5167**, and the grayscale version is **32.8185, 34.5276, 37.6006**.

A 20% lighter version of the original color is **61.1928, 69.1794, 79.9398**, and **13.2355, 15.7302, 18.8616** is the 20% darker color. If you saturate the color by 10%, you get **28.8448, 34.8412, 42.2504**, and if you desaturate by 10%, it is **34.3601, 37.6844, 42.5099**.

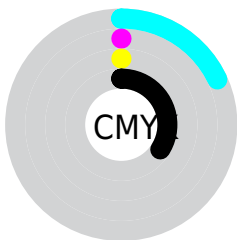
Distribution



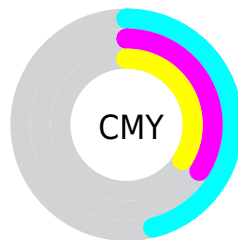
- Red (54%)
- Green (66%)
- Blue (66%)



- Red (54%)
- Yellow (60%)
- Blue (66%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)



- Cyan (46%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3870, 36.1508, 42.3693 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 31.3870, 36.1508, 42.3693 by changing the saturation by 10% instead.

■ 31.3870, 36.1508,
42.3693

■ 31.3870, 36.1508,
42.3693

300.1124,
329.6192, 371.8563

■ 21.0470, 24.5507,
29.0628

■ 61.2206, 69.2648,
80.0344

■ 13.2710, 15.7426,
18.8824

■ 81.4448, 91.5474,
105.2300

■ 7.6937, 9.3422,
11.4094

■ 105.6945,
118.1596, 135.2259

■ 3.9497, 4.9651,
6.2253

134.3351,
149.4859, 170.4404

■ 1.6737, 2.2268,
2.9115

167.7318,
185.9106, 211.2922

■ 0.4397, 0.7345,
1.0496

206.2500,

■ 0.0000, 0.0000,

227.8181, 258.1997

0.0000

250.2551,
275.5929, 311.5816

■ 31.3870, 36.1508,
42.3693

■ 31.3870, 36.1508,
42.3693

■ 28.8448, 34.8412,
42.2504

■ 34.3601, 37.6844,
42.5099

■ 26.7106, 33.7410,
42.1499

■ 37.7796, 39.4472,
42.6705

■ 24.9642, 32.8407,
42.0675

■ 41.6638, 41.4496,
42.8530

■ 23.5822, 32.1283,
42.0022

■ 46.0293, 43.7001,
43.0579

■ 22.5388, 31.5904,
41.9527

■ 50.8917, 46.2067,
43.2862

■ 21.8051, 31.2122,
41.9177

■ 56.2660, 48.9773,
43.5383

■ 21.3468, 30.9759,
41.8956

■ 62.1666, 52.0191,
43.8151

■ 21.1028, 30.8502,
41.8835

■ 62.3123, 52.0942,
43.8226

■ 21.0703, 30.8334,
41.8819

■ 62.3124, 52.0943,
43.8233

Harmonies

Analogous

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



31.2913, 36.1508, 37.5448



31.3870, 36.1508, 42.3693



32.2636, 36.1508, 46.7038

Triad

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



31.3870, 36.1508, 42.3693



36.8363, 36.1508, 45.8170



35.0088, 36.1508, 30.9753

Complementary

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



31.3870, 36.1508, 42.3693



29.6107, 28.0232, 27.5167

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.



36.5458, 36.1508, 32.8332



31.3870, 36.1508, 42.3693



37.6236, 36.1508, 41.2371

Square

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



31.3870, 36.1508, 42.3693



35.3948, 36.1508, 48.8034



37.5156, 36.1508, 36.5006



33.3460, 36.1508, 31.2244

Rectangle

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



31.3870, 36.1508, 42.3693



33.1894, 36.1508, 48.6111



37.5156, 36.1508, 36.5006



35.5583, 36.1508, 31.3676

Sweetspot

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



31.3880, 36.1523, 42.3701



63.7285, 69.0921, 77.2016



28.9204, 35.1750, 28.9326



13.8103, 15.0179, 16.8228



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.



31.3880, 36.1523, 42.3701



55.0414, 64.6138, 76.7931



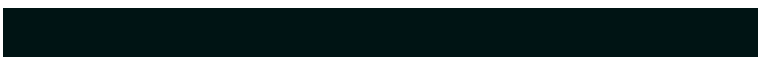
28.7794, 30.9345, 41.5017



7.7475, 8.5321, 9.6567



15.9107, 23.2830, 31.6260



0.3871, 0.5665, 0.7695

Inverse Universe

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



29.6107, 28.0232, 27.5167



51.2331, 47.1954, 44.9664



31.8906, 32.5833, 28.2758



7.5312, 7.5423, 7.8483



12.1947, 6.2866, 0.5710



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 31.3870, 36.1508, 42.3693 looks on a white background.

Color Contrast Check

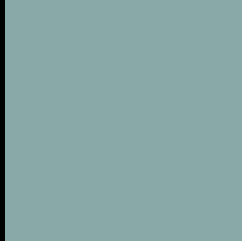
Large Text (above 18pt) WCAG AA × Fail

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 31.3870, 36.1508, 42.3693 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 31.3870, 36.1508, 42.3693

Background



This preview shows how black text looks on a background with the XYZ color 31.3870, 36.1508, 42.3693.



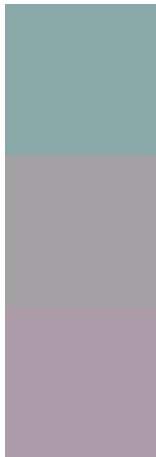
This preview shows how white text looks on a background with the XYZ color 31.3870, 36.1508,

42.3693.

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

31.3870, 36.1508, 42.3693

Protanopia

34.7556, 36.0626, 40.2509

Deuteranopia

36.5463, 35.9005, 43.0335



Tritanopia

32.4204, 36.0161, 47.8909

Trichromacy



Original Color

31.3870, 36.1508, 42.3693

Protanomaly

33.3934, 36.1376, 40.8125

Deuteranomaly

34.4035, 35.8279, 42.6383

Tritanomaly

32.0378, 36.1359, 45.8438

Monochromacy



Original Color

31.3870, 36.1508, 42.3693

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2044, 35.0286, 39.2463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3870, 36.1508, 42.3693 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(137, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(137, 168, 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(137, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 168, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.3870, 36.1508, 42.3693 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(137, 168, 168) }
```


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

```
.border{ border-color:rgb(137, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(137, 168,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3870, 36.1508, 42.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 168, 168) }
```

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

```
.background{ background-color: rgb(137,  
168, 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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