

Converting Colors

XYZ(31.1380, 32.1299, 38.1172)

Have a look what the booklet for
XYZ(31.1380, 32.1299, 38.1172)
contains.

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Color

**XYZ(31.1507, 32.2257,
38.2966)**

Conversions

Conversions Part 1

Format	Color
Hex	9A99A1
RGB	154, 153, 161
RGB Percent	60%, 60%, 63%
CMY	0.3961, 0.4000, 0.3686
CMYK	0.04, 0.05, 0.00, 0.37
HSL	247°, 4%, 62%
HSV	247°, 5%, 63%
XYZ	31.1507, 32.2257, 38.2966
YIQ	154.2110, -1.9720, 2.7000

Conversions

Conversions Part 2

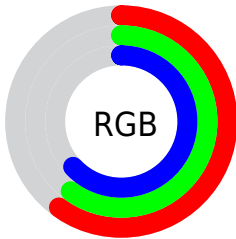
Format	Color
RYB	154, 153, 161
Decimal	10131873
CIELab	63.53, 1.93, -4.06
CIElCh	64, 4.495, 295.474
Yxy	32.2257, 0.3064, 0.3170
Android (android.graphics.Color)	4288321953 (0xFF9A99A1)
YUV	154.2110, 3.3470, -0.1850
Hunter-Lab	56.7677, -1.3934, -0.2608

Details

The XYZ color **31.1507, 32.2257, 38.2966** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9930, 35.2641, 35.2063**, and the grayscale version is **30.7950, 32.3987, 35.2822**.

A 20% lighter version of the original color is **60.7199, 62.9934, 73.9244**, and **13.1594, 13.5121, 16.6664** is the 20% darker color. If you saturate the color by 10%, you get **26.1651, 26.0048, 37.3591**, and if you desaturate by 10%, it is **36.8087, 39.3229, 39.3688**.

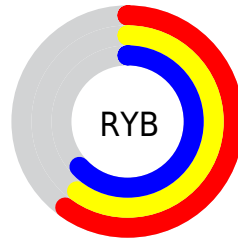
Distribution



Red (60%)

Green (60%)

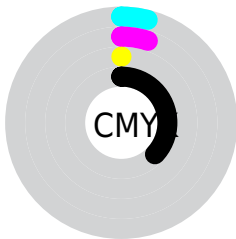
Blue (63%)



Red (60%)

Yellow (60%)

Blue (63%)

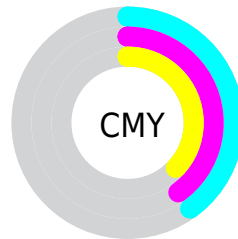


Cyan (4%)

Magenta (5%)

Yellow (0%)

Black (37%)



Cyan (40%)

Magenta (40%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1507, 32.2257, 38.2966 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 31.1507, 32.2257, 38.2966 by changing the saturation by 10% instead.

■ 31.1507, 32.2257,
38.2966

■ 31.1507, 32.2257,
38.2966

299.0465,
312.1461, 354.2269

■ 20.8660, 21.5340,
25.9094

■ 60.8515, 63.1647,
73.7710

■ 13.1380, 13.5149,
16.5307

■ 80.9983, 84.1808,
97.6952

■ 7.6013, 7.7840,
9.7420

105.1632,
109.4072, 126.3021

■ 3.8906, 3.9571,
5.1249

133.7115,
139.2281, 160.0104

■ 1.6404, 1.6496,
2.2607

167.0087,
174.0281, 199.2384

■ 0.4185, 0.3907,
0.7091

205.4200,

■ 0.0000, 0.0000,

214.1915, 244.4048

0.0000

249.3108,
260.1027, 295.9281

■ 31.1507, 32.2257,
38.2966

■ 31.1507, 32.2257,
38.2966

■ 26.1651, 26.0048,
37.3591

■ 36.8087, 39.3229,
39.3688

■ 21.8240, 20.6221,
36.5489

■ 43.1598, 47.3241,
40.5784

■ 18.1018, 16.0429,
35.8612

■ 50.2276, 56.2613,
41.9310

■ 14.9702, 12.2285,
35.2901

■ 58.0336, 66.1633,
43.4308

■ 12.3985, 9.1371,
34.8289

■ 66.5982, 77.0579,
45.0823

■ 10.3533, 6.7226,
34.4706

■ 75.9413, 88.9716,
46.8894

■ 8.7975, 4.9337,
34.2074

■ 82.5714, 94.9090,
47.6860

■ 7.6891, 3.7118,
34.0299

■ 83.4331, 95.3532,
47.7263

■ 6.9777, 2.9846,
33.9270

Harmonies

Analogous

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



30.5346, 32.2257, 38.6418



31.1507, 32.2257, 38.2966



31.6330, 32.2257, 37.0806

Triad

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



31.1507, 32.2257, 38.2966



31.3175, 32.2257, 32.3215



29.4441, 32.2257, 34.8167

Complementary

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



31.1507, 32.2257, 38.2966



32.9930, 35.2641, 35.2063

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.



29.6476, 32.2257, 33.1686



31.1507, 32.2257, 38.2966



30.7247, 32.2257, 31.7596

Square

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



31.1507, 32.2257, 38.2966



31.7302, 32.2257, 33.6250



30.1143, 32.2257, 32.0644



29.5547, 32.2257, 36.5934

Rectangle

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



31.1507, 32.2257, 38.2966



31.8108, 32.2257, 35.9610



30.1143, 32.2257, 32.0644



29.4780, 32.2257, 34.2299

Sweetspot

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



31.1516, 32.2271, 38.2973



59.6436, 62.5427, 69.3149



32.1533, 34.5111, 38.6854



13.0939, 13.7331, 15.2043



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.1516, 32.2271, 38.2973



54.7062, 56.3606, 68.3819



31.9128, 32.6195, 38.3329



7.1130, 7.3178, 8.9407



5.3898, 2.1850, 27.0675



0.1358, 0.0576, 0.5698

Inverse Universe

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



32.4355, 32.8990, 37.8999



57.5159, 57.8314, 67.5061



32.2189, 34.8650, 35.1701



7.5027, 7.5218, 8.8189



15.5839, 7.5896, 20.7970



0.3374, 0.1635, 0.4893

Previews

White Background



This preview shows how the XYZ color 31.1507, 32.2257, 38.2966 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 31.1507, 32.2257, 38.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

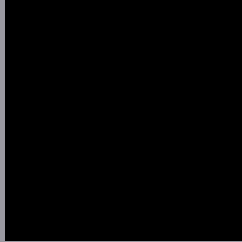
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1507, 32.2257, 38.2966

Background



This preview shows how black text looks on a background with the XYZ color 31.1507, 32.2257, 38.2966.



This preview shows how white text looks on a background with the XYZ color 31.1507, 32.2257,

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

31.1507, 32.2257, 38.2966

Protanopia

31.1507, 32.2257, 38.2966

Deuteranopia

32.7861, 32.1029, 38.6509



Tritanopia

31.4466, 32.1054, 39.6615

Trichromacy



Original Color

31.1507, 32.2257, 38.2966

Protanomaly

31.1507, 32.2257, 38.2966

Deuteranomaly

32.1259, 31.9984, 38.6655

Tritanomaly

31.3567, 32.0694, 39.1877

Monochromacy



Original Color

31.1507, 32.2257, 38.2966

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9678, 32.4155, 36.5229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1507, 32.2257, 38.2966 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(154, 153, 161) looks like.

```
.text, #text, p{  
    color:rgb(154, 153, 161)  
}
```

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(154, 153, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 153, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.1507, 32.2257, 38.2966 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(154, 153, 161) }
```


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

```
.border{ border-color:rgb(154, 153, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 153, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 153, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 153, 161);  
box-shadow:4px 4px 4px 4px rgb(154, 153,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1507, 32.2257, 38.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 153, 161) }
```

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

```
.background{ background-color: rgb(154,  
153, 161) }
```

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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