

Converting Colors

XYZ(31.3346, 35.6387, 24.1137)

Have a look what the booklet for
XYZ(31.3346, 35.6387, 24.1137)
contains.

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Color

**XYZ(31.3284, 35.7113,
23.9807)**

Conversions

Conversions Part 1

Format	Color
Hex	9FA57B
RGB	159, 165, 123
RGB Percent	62%, 65%, 48%
CMY	0.3765, 0.3529, 0.5176
CMYK	0.04, 0.00, 0.25, 0.35
HSL	69°, 19%, 56%
HSV	69°, 25%, 65%
XYZ	31.3284, 35.7113, 23.9807
YIQ	158.4180, 9.9060, -14.3340

Conversions

Conversions Part 2

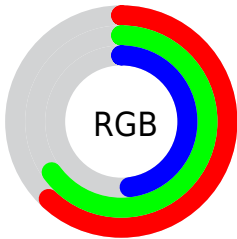
Format	Color
RYB	123, 165, 129
Decimal	10462587
CIELab	66.30, -9.35, 21.11
CIElCh	66, 23.092, 113.888
Yxy	35.7113, 0.3442, 0.3923
Android (android.graphics.Color)	4288652667 (0xFF9FA57B)
YUV	158.4180, -17.4611, 0.5104
Hunter-Lab	59.7589, -11.0002, 18.0387

Details

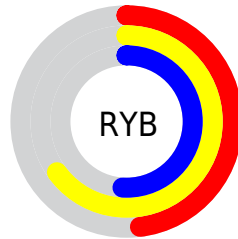
The XYZ color **31.3284, 35.7113, 23.9807** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.9292, 21.5506, 38.5505**, and the grayscale version is **32.7639, 34.4701, 37.5380**.

A 20% lighter version of the original color is **61.1612, 68.6171, 51.0952**, and **13.2046, 15.4305, 8.7610** is the 20% darker color. If you saturate the color by 10%, you get **29.9184, 35.0950, 18.9699**, and if you desaturate by 10%, it is **32.9233, 36.4050, 29.9105**.

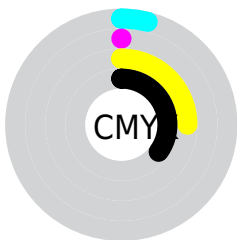
Distribution



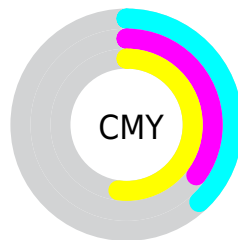
- Red (62%)
- Green (65%)
- Blue (48%)



- Red (48%)
- Yellow (65%)
- Blue (51%)



- Cyan (4%)
- Magenta (0%)
- Yellow (25%)
- Black (35%)



- Cyan (38%)
- Magenta (35%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3284, 35.7113, 23.9807 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 31.3284, 35.7113, 23.9807 by changing the saturation by 10% instead.

■ 31.3284, 35.7113,
23.9807

■ 31.3284, 35.7113,
23.9807

299.8483,
327.6969, 286.0063

■ 21.0021, 24.2113,
15.1072

■ 61.1291, 68.5862,
50.9421

■ 13.2380, 15.4904,
8.7472

■ 81.3341, 90.7300,
69.8672

■ 7.6708, 9.1643,
4.4821

■ 105.5628,
117.1904, 92.9799

■ 3.9350, 4.8485,
1.8934

134.1805,
148.3519, 120.6987

■ 1.6654, 2.1587,
0.4885

167.5526,
184.5990, 153.4422

■ 0.4345, 0.6973,
0.0000

206.0443,

■ 0.0000, 0.0000,

226.3159, 191.6290

0.0000

250.0211,
273.8871, 235.6775

■ 31.3284, 35.7113,
23.9807

■ 31.3284, 35.7113,
23.9807

■ 29.9184, 35.0950,
18.9699

■ 32.9233, 36.4050,
29.9105

■ 28.6818, 34.5479,
14.8297

■ 34.7085, 37.1747,
36.7997

■ 27.6100, 34.0677,
11.5112

■ 36.6925, 38.0249,
44.6891

■ 26.6924, 33.6502,
8.9592

■ 38.8827, 38.9587,
53.6164

■ 25.9174, 33.2907,
7.1121

■ 41.2858, 39.9787,
63.6176

■ 25.2712, 32.9838,
5.8987

■ 43.9084, 41.0875,
74.7266

■ 24.7367, 32.7225,
5.2276

■ 46.7567, 42.2877,
86.9761

■ 24.5118, 32.6113,
5.0027

■ 49.8359, 43.5813,
100.3931

■ 50.3813, 43.8624,
100.4187

Harmonies

Analogous

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



34.6532, 35.7113, 22.8974



31.3284, 35.7113, 23.9807



28.8642, 35.7113, 28.7340

Triad

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



31.3284, 35.7113, 23.9807



30.1839, 35.7113, 56.3245



40.9692, 35.7113, 40.9399

Complementary

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



31.3284, 35.7113, 23.9807



22.9292, 21.5506, 38.5505

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.



39.5841, 35.7113, 51.1792



31.3284, 35.7113, 23.9807



33.2417, 35.7113, 60.9785

Square

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



31.3284, 35.7113, 23.9807



28.2354, 35.7113, 47.0888



36.6982, 35.7113, 58.9519



40.3712, 35.7113, 31.6915

Rectangle

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



31.3284, 35.7113, 23.9807



27.9643, 35.7113, 33.8497



36.6982, 35.7113, 58.9519



40.7173, 35.7113, 44.3933

Sweetspot

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



31.3293, 35.7129, 23.9815



61.2621, 66.1886, 62.4086



26.8911, 25.0257, 22.1526



13.2902, 14.4258, 13.2447



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.3293, 35.7129, 23.9815



54.5230, 63.2639, 37.2707



27.5791, 33.7796, 23.8060



7.5495, 8.1857, 7.5622



18.5743, 24.6859, 3.7859



0.4158, 0.5318, 0.0807

Inverse Universe

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



22.9292, 21.5506, 38.5505



36.6826, 33.1790, 68.2231



26.3799, 23.3295, 38.7120



6.7903, 6.9063, 8.8782



5.4424, 2.2121, 27.0699



0.1399, 0.0596, 0.5700

Previews

White Background



This preview shows how the XYZ color 31.3284, 35.7113, 23.9807 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 31.3284, 35.7113, 23.9807 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

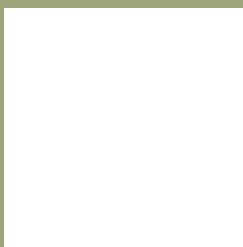
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3284, 35.7113, 23.9807

Background



This preview shows how black text looks on a background with the XYZ color 31.3284, 35.7113, 23.9807.



This preview shows how white text looks on a background with the XYZ color 31.3284, 35.7113,

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

31.3284, 35.7113, 23.9807

Protanopia

33.2093, 35.6409, 23.2182

Deuteranopia

36.4093, 35.7422, 24.3820



Tritanopia

35.2659, 35.7359, 43.5671

Trichromacy



Original Color

31.3284, 35.7113, 23.9807

Protanomaly

32.3695, 35.4613, 23.5510

Deuteranomaly

34.3963, 35.7165, 24.1499

Tritanomaly

33.6819, 35.6094, 35.6699

Monochromacy



Original Color

31.3284, 35.7113, 23.9807

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.9563, 34.8032, 31.8215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3284, 35.7113, 23.9807 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(159, 165, 123)` looks like.

```
.text, #text, p{  
    color:rgb(159, 165, 123)  
}
```

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(159, 165, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 165, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.3284, 35.7113, 23.9807 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(159, 165, 123) }
```


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

```
.border{ border-color:rgb(159, 165, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 165, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 165, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 165, 123);  
box-shadow:4px 4px 4px 4px rgb(159, 165,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3284, 35.7113, 23.9807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 165, 123) }
```

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

```
.background{ background-color: rgb(159,  
165, 123) }
```

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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