

Converting Colors

XYZ(31.7890, 36.4278, 25.4693)

Have a look what the booklet for
XYZ(31.7890, 36.4278, 25.4693)
contains.

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Color

**XYZ(31.7500, 36.4388,
25.4387)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA77F
RGB	158, 167, 127
RGB Percent	62%, 65%, 50%
CMY	0.3804, 0.3451, 0.5020
CMYK	0.05, 0.00, 0.24, 0.35
HSL	74°, 19%, 58%
HSV	74°, 24%, 65%
XYZ	31.7500, 36.4388, 25.4387
YIQ	159.7490, 7.4760, -14.3480

Conversions

Conversions Part 2

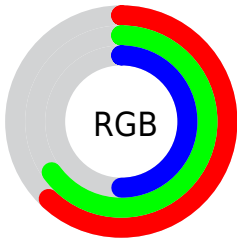
Format	Color
RYB	127, 167, 136
Decimal	10397567
CIELab	66.85, -10.20, 19.67
CIELCh	67, 22.159, 117.411
Yxy	36.4388, 0.3391, 0.3892
Android (android.graphics.Color)	4288587647 (0xFF9EA77F)
YUV	159.7490, -16.1453, -1.5339
Hunter-Lab	60.3646, -11.7522, 17.2693

Details

The XYZ color **31.7500, 36.4388, 25.4387** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.7192, 23.2040, 39.7372**, and the grayscale version is **33.3683, 35.1061, 38.2305**.

A 20% lighter version of the original color is **61.8001, 69.6840, 53.3732**, and **13.4497, 15.8757, 9.5632** is the 20% darker color. If you saturate the color by 10%, you get **30.0228, 35.6650, 20.1397**, and if you desaturate by 10%, it is **33.6822, 37.2996, 31.6906**.

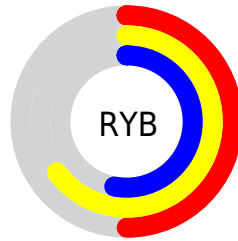
Distribution



Red (62%)

Green (65%)

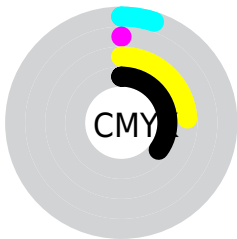
Blue (50%)



Red (50%)

Yellow (65%)

Blue (53%)

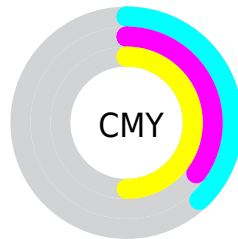


Cyan (5%)

Magenta (0%)

Yellow (24%)

Black (35%)



Cyan (38%)

Magenta (35%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7500, 36.4388, 25.4387 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 31.7500, 36.4388, 25.4387 by changing the saturation by 10% instead.

■ 31.7500, 36.4388,
25.4387

■ 31.7500, 36.4388,
25.4387

301.7444,
330.8744, 293.5330

■ 21.3252, 24.7733,
16.1822

■ 61.7868, 69.7088,
53.3410

■ 13.4758, 15.9082,
9.4974

■ 82.1296, 92.0821,
72.8238

■ 7.8362, 9.4592,
4.9658

■ 106.5090,
118.7934, 96.5525

■ 4.0412, 5.0419,
2.1688

135.2905,
150.2272, 124.9456

■ 1.7255, 2.2719,
0.6563

168.8395,
186.7677, 158.4217

■ 0.4721, 0.7588,
0.0000

207.5212,

■ 0.0000, 0.0000,

228.7995, 197.3993

0.0000

251.7011,
276.7070, 242.2968

■ 31.7500, 36.4388,
25.4387

■ 31.7500, 36.4388,
25.4387

■ 30.0228, 35.6650,
20.1397

■ 33.6822, 37.2996,
31.6906

■ 28.4886, 34.9698,
15.7443

■ 35.8250, 38.2461,
38.9367

■ 27.1386, 34.3509,
12.2028

■ 38.1872, 39.2831,
47.2184

■ 25.9619, 33.8038,
9.4592

■ 40.7765, 40.4135,
56.5746

■ 24.9466, 33.3237,
7.4511

■ 43.6000, 41.6403,
67.0417

■ 24.0787, 32.9052,
6.1070

■ 46.6644, 42.9662,
78.6546

■ 23.3418, 32.5415,
5.3409

■ 49.9763, 44.3938,
91.4468

■ 22.9359, 32.3386,
5.0331

■ 52.6262, 45.5594,
100.6279

■ 53.5648, 46.0433,
100.6718

Harmonies

Analogous

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



34.9260, 36.4388, 23.9417



31.7500, 36.4388, 25.4387



29.4812, 36.4388, 30.5389

Triad

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



31.7500, 36.4388, 25.4387



31.2764, 36.4388, 57.3538



41.4817, 36.4388, 40.5155

Complementary

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



31.7500, 36.4388, 25.4387



24.7192, 23.2040, 39.7372

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.



40.3548, 36.4388, 50.4741



31.7500, 36.4388, 25.4387



34.3436, 36.4388, 61.1259

Square

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



31.7500, 36.4388, 25.4387



29.2204, 36.4388, 48.7971



37.6875, 36.4388, 58.4266



40.6780, 36.4388, 31.7682

Rectangle

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



31.7500, 36.4388, 25.4387



28.7154, 36.4388, 35.7860



37.6875, 36.4388, 58.4266



41.3146, 36.4388, 43.8374

Sweetspot

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



31.7509, 36.4404, 25.4395



62.8970, 67.9375, 65.4134



28.5257, 27.2635, 23.8381



14.0262, 15.1815, 14.4717



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.



31.7509, 36.4404, 25.4395



55.0926, 64.4671, 40.0646



28.1872, 34.6032, 25.2727



7.9793, 8.6874, 8.0456



17.5934, 24.7669, 3.8532



0.4677, 0.6230, 0.0956

Inverse Universe

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



24.7192, 23.2040, 39.7372



40.1868, 36.4018, 70.3834



28.2115, 25.0044, 39.9006



7.2839, 7.3790, 9.4587



5.9739, 2.4631, 28.1361



0.1873, 0.0816, 0.6865

Previews

White Background



This preview shows how the XYZ color 31.7500, 36.4388, 25.4387 looks on a white background.

Color Contrast Check

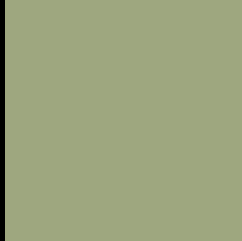
Large Text (above 18pt) WCAG AA × Fail

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 31.7500, 36.4388, 25.4387 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

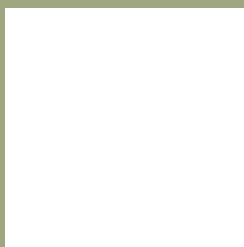
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7500, 36.4388, 25.4387

Background



This preview shows how black text looks on a background with the XYZ color 31.7500, 36.4388, 25.4387.



This preview shows how white text looks on a background with the XYZ color 31.7500, 36.4388,

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

31.7500, 36.4388, 25.4387

Protanopia

34.0776, 36.3200, 24.6164

Deuteranopia

36.8372, 36.1807, 25.8109



Tritanopia

35.6947, 36.4382, 45.1964

Trichromacy



Original Color

31.7500, 36.4388, 25.4387

Protanomaly

33.1898, 36.3821, 25.0118

Deuteranomaly

34.8272, 36.1651, 25.5670

Tritanomaly

34.0833, 36.3101, 37.1105

Monochromacy



Original Color

31.7500, 36.4388, 25.4387

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7406, 35.7034, 33.1828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7500, 36.4388, 25.4387 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(158, 167, 127)` looks like.

```
.text, #text, p{  
    color:rgb(158, 167, 127)  
}
```

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(158, 167, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 167, 127) }
```

Border

The CSS property to change the border of an element to XYZ 31.7500, 36.4388, 25.4387 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(158, 167, 127) }
```


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

```
.border{ border-color:rgb(158, 167, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 167, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 167, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 167, 127);  
box-shadow:4px 4px 4px 4px rgb(158, 167,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7500, 36.4388, 25.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 167, 127) }
```

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

```
.background{ background-color: rgb(158,  
167, 127) }
```

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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