

Converting Colors

XYZ(31.7510, 31.4366, 23.4632)

Have a look what the booklet for
XYZ(31.7510, 31.4366, 23.4632)
contains.

XYZ(31.7510, 31.4366, 23.4632)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7510, 31.4366,
23.4632)**

Conversions

Conversions Part 1

Format	Color
Hex	AF937C
RGB	175, 147, 124
RGB Percent	69%, 58%, 49%
CMY	0.3137, 0.4235, 0.5137
CMYK	0.00, 0.16, 0.29, 0.31
HSL	27°, 24%, 59%
HSV	27°, 29%, 69%
XYZ	31.7510, 31.4366, 23.4632
YIQ	152.7500, 24.0710, -1.2170

Conversions

Conversions Part 2

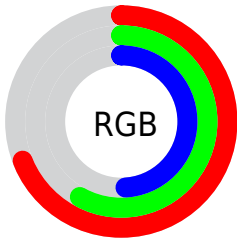
Format	Color
RYB	175, 166, 124
Decimal	11506556
CIELab	62.87, 6.95, 16.08
CIELCh	63, 17.524, 66.618
Yxy	31.4366, 0.3664, 0.3628
Android (android.graphics.Color)	4289696636 (0xFFAF937C)
YUV	152.7500, -14.1738, 19.5132
Hunter-Lab	56.0684, 2.9633, 14.4365

Details

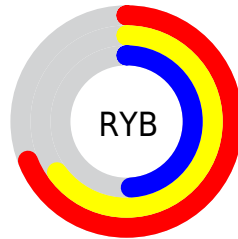
The XYZ color **31.7510, 31.4366, 23.4632** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **27.2780, 29.8359, 44.8788**, and the grayscale version is **30.2226, 31.7965, 34.6264**.

A 20% lighter version of the original color is **61.7775, 61.9365, 50.2939**, and **13.4789, 13.0113, 8.4576** is the 20% darker color. If you saturate the color by 10%, you get **29.3092, 28.1697, 17.6653**, and if you desaturate by 10%, it is **34.5156, 35.0346, 30.3385**.

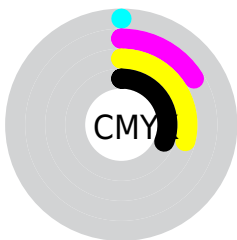
Distribution



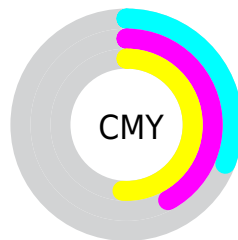
- Red (69%)
- Green (58%)
- Blue (49%)



- Red (69%)
- Yellow (65%)
- Blue (49%)



- Cyan (0%)
- Magenta (16%)
- Yellow (29%)
- Black (31%)



- Cyan (31%)
- Magenta (42%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7510, 31.4366, 23.4632 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 31.7510, 31.4366, 23.4632 by changing the saturation by 10% instead.

■ 31.7510, 31.4366,
23.4632

■ 31.7510, 31.4366,
23.4632

301.7489,
308.5447, 283.2939

■ 21.3260, 20.9315,
14.7274

■ 61.7884, 61.9268,
50.0856

■ 13.4763, 13.0740,
8.4838

■ 82.1314, 82.6807,
68.8093

■ 7.8366, 7.4795,
4.3139

■ 106.5113,
107.6197, 91.6993

■ 4.0415, 3.7637,
1.7991

135.2932,
137.1282, 119.1742

■ 1.7256, 1.5423,
0.4273

168.8425,
171.5906, 151.6526

■ 0.4722, 0.3182,
0.0000

207.5247,

■ 0.0000, 0.0000,

211.3912, 189.5530

0.0000

251.7050,
256.9144, 233.2939

■ 31.7510, 31.4366,
23.4632

■ 31.7510, 31.4366,
23.4632

■ 29.3092, 28.1697,
17.6653

■ 34.5156, 35.0346,
30.3385

■ 27.1744, 25.2192,
12.8870

■ 37.6132, 38.9689,
38.3408

■ 25.3329, 22.5757,
9.0683

■ 41.0563, 43.2503,
47.5191

■ 23.7688, 20.2277,
6.1418

■ 44.8563, 47.8876,
57.9188

■ 22.4645, 18.1627,
4.0312

■ 49.0236, 52.8894,
69.5829

■ 21.3996, 16.3666,
2.6473

■ 53.5686, 58.2638,
82.5525

■ 20.5384, 14.8192,
1.8210

■ 58.5010, 64.0189,
96.8664

■ 20.4705, 14.6964,
1.7578

■ 62.3466, 69.5687,
104.7498

■ 64.9998, 74.8750,
105.6342

Harmonies

Analogous

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



33.7436, 31.4366, 26.9274



31.7510, 31.4366, 23.4632



29.3502, 31.4366, 22.6954

Triad

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



31.7510, 31.4366, 23.4632



25.5209, 31.4366, 35.7768



32.7211, 31.4366, 45.9864

Complementary

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



31.7510, 31.4366, 23.4632



27.2780, 29.8359, 44.8788

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.



30.4152, 31.4366, 49.1279



31.7510, 31.4366, 23.4632



26.3223, 31.4366, 42.7442

Square

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



31.7510, 31.4366, 23.4632



25.8360, 31.4366, 29.2416



28.0831, 31.4366, 47.8683



34.3244, 31.4366, 39.7538

Rectangle

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



31.7510, 31.4366, 23.4632



27.8569, 31.4366, 23.7095



28.0831, 31.4366, 47.8683



31.9978, 31.4366, 47.4745

Sweetspot

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



31.7518, 31.4380, 23.4638



67.3558, 69.7818, 68.6464



30.5587, 25.7983, 33.0965



14.7857, 15.2771, 14.7730



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.7518, 31.4380, 23.4638



53.9748, 52.4553, 35.0973



36.1558, 40.2460, 24.9318



8.2916, 8.5879, 8.4340



14.7193, 10.6442, 1.2787



0.4646, 0.4063, 0.0539

Inverse Universe

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



27.2780, 29.8359, 44.8788



44.6413, 49.1091, 79.7630



23.5818, 22.4434, 43.6467



7.9296, 8.4585, 10.1674



8.6033, 8.3404, 30.2009



0.2930, 0.3394, 0.8580

Previews

White Background



This preview shows how the XYZ color 31.7510, 31.4366, 23.4632 looks on a white background.

Color Contrast Check

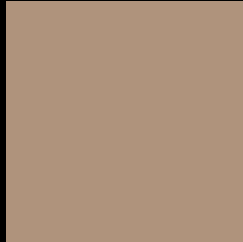
Large Text (above 18pt) WCAG AA × Fail

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 31.7510, 31.4366, 23.4632 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 31.7510, 31.4366, 23.4632

Background



This preview shows how black text looks on a background with the XYZ color 31.7510, 31.4366, 23.4632.



This preview shows how white text looks on a background with the XYZ color 31.7510, 31.4366,

23.4632.

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

31.7510, 31.4366, 23.4632

Protanopia

29.6921, 31.5399, 24.2615

Deuteranopia

32.0484, 31.3601, 23.4328



Tritanopia

34.0153, 31.4430, 34.8482

Trichromacy



Original Color

31.7510, 31.4366, 23.4632

Protanomaly

30.3339, 31.4004, 23.8641

Deuteranomaly

31.8215, 31.2431, 23.4221

Tritanomaly

33.0626, 31.2768, 30.2810

Monochromacy



Original Color

31.7510, 31.4366, 23.4632

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6470, 31.6633, 30.0875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7510, 31.4366, 23.4632 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(175, 147, 124)` looks like.

```
.text, #text, p{  
    color:rgb(175, 147, 124)  
}
```

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(175, 147, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 147, 124) }
```

Border

The CSS property to change the border of an element to XYZ 31.7510, 31.4366, 23.4632 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(175, 147, 124) }
```


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

```
.border{ border-color:rgb(175, 147, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 147, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 147, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 147, 124);  
box-shadow:4px 4px 4px 4px rgb(175, 147,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7510, 31.4366, 23.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 147, 124) }
```

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

```
.background{ background-color: rgb(175,  
147, 124) }
```

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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