

Converting Colors

XYZ(32.2028, 31.1121, 11.1951)

Have a look what the booklet for
XYZ(32.2028, 31.1121, 11.1951)
contains.

XYZ(32.1132, 30.9855, 11.1257)	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(32.1132, 30.9855,
11.1257)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8F4C
RGB	189, 143, 76
RGB Percent	74%, 56%, 30%
CMY	0.2588, 0.4392, 0.7020
CMYK	0.00, 0.24, 0.60, 0.26
HSL	36°, 46%, 52%
HSV	36°, 60%, 74%
XYZ	32.1132, 30.9855, 11.1257
YIQ	149.1160, 48.9230, -11.0850

Conversions

Conversions Part 2

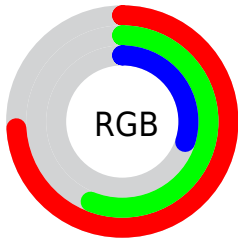
Format	Color
RYB	154, 189, 76
Decimal	12422988
CIELab	62.50, 9.90, 41.84
CIELCh	62, 42.991, 76.682
Yxy	30.9855, 0.4327, 0.4175
Android (android.graphics.Color)	4290613068 (0xFFBD8F4C)
YUV	149.1160, -36.0462, 34.9783
Hunter-Lab	55.6646, 5.5645, 27.1149

Details

The XYZ color **32.1132, 30.9855, 11.1257** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.1250, 19.1288, 50.8281**, and the grayscale version is **28.7491, 30.2463, 32.9382**.

A 20% lighter version of the original color is **62.5084, 61.4213, 28.6396**, and **13.6279, 12.8134, 2.7919** is the 20% darker color. If you saturate the color by 10%, you get **30.4348, 28.5303, 7.7870**, and if you desaturate by 10%, it is **34.0653, 33.6793, 15.5084**.

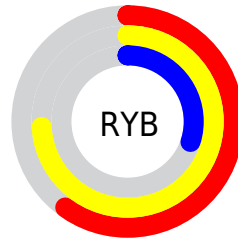
Distribution



Red (74%)

Green (56%)

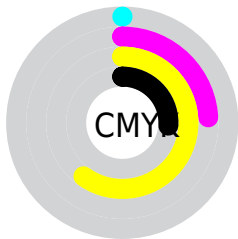
Blue (30%)



Red (60%)

Yellow (74%)

Blue (30%)

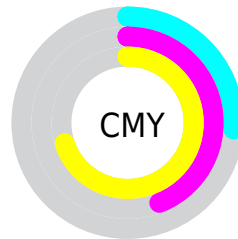


Cyan (0%)

Magenta (24%)

Yellow (60%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1132, 30.9855, 11.1257 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 32.1132, 30.9855, 11.1257 by changing the saturation by 10% instead.


 32.1132, 30.9855,
11.1257


 32.1132, 30.9855,
11.1257


303.3707,
306.4715, 209.2962


 21.6039, 20.5878,
6.0362


 62.3525, 61.2172,
28.5326

 13.6811, 12.8230,
2.7980


 82.8133, 81.8201,
41.6870


 7.9794, 7.3068,
0.9924

 107.3219,
106.5934, 58.3669

 4.1335, 3.6547,
0.0000

 136.2438,
135.9217, 78.9907

 1.7779, 1.4823,
0.0000

 169.9442,
170.1892, 103.9770

 0.5043, 0.2763,
0.0000

208.7886,

 0.0000, 0.0000,

209.7804, 133.7443

0.0000

253.1424,
255.0797, 168.7112

■ 32.1132, 30.9855,
11.1257

■ 32.1132, 30.9855,
11.1257

■ 30.4348, 28.5303,
7.7870

■ 34.0653, 33.6793,
15.5084

■ 29.0088, 26.2991,
5.3982

■ 36.3058, 36.6165,
21.0146

■ 27.8139, 24.2819,
3.8506

■ 38.8507, 39.8070,
27.7182

■ 26.8083, 22.4595,
2.9337

■ 41.7141, 43.2588,
35.6862

■ 26.7880, 22.4224,
2.9161

■ 44.9090, 46.9793,
44.9804

■ 48.4478, 50.9758,
55.6588

■ 52.3421, 55.2549,
67.7757

■ 56.6027, 59.8232,
81.3826

■ 61.2403, 64.6870,
96.5285

Harmonies

Analogous

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



37.8435, 30.9855, 15.3354



32.1132, 30.9855, 11.1257



26.3442, 30.9855, 11.3606

Triad

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



32.1132, 30.9855, 11.1257



19.9527, 30.9855, 43.8349



38.3971, 30.9855, 60.9515

Complementary

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



32.1132, 30.9855, 11.1257



19.1250, 19.1288, 50.8281

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.



32.7925, 30.9855, 74.8588



32.1132, 30.9855, 11.1257



22.4008, 30.9855, 62.9533

Square

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



32.1132, 30.9855, 11.1257



19.8213, 30.9855, 26.8606



26.9398, 30.9855, 75.6931



41.7818, 30.9855, 41.6991

Rectangle

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



32.1132, 30.9855, 11.1257



23.2405, 30.9855, 13.9644



26.9398, 30.9855, 75.6931



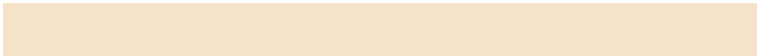
36.6792, 30.9855, 66.6487

Sweetspot

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



32.1139, 30.9870, 11.1263



75.5300, 78.4451, 66.2562



27.1511, 17.4201, 20.6979



15.9024, 16.4666, 13.2795



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.1139, 30.9870, 11.1263



53.6010, 49.7095, 12.3261



38.2275, 46.5701, 13.8119



9.9877, 10.4514, 10.0675



18.1005, 15.2397, 1.9876



0.7718, 0.7224, 0.0988

Inverse Universe

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



19.1250, 19.1288, 50.8281



28.2930, 26.6691, 89.8827



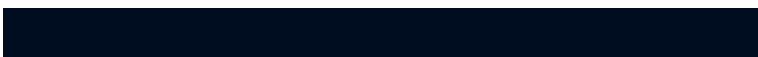
15.5542, 10.7942, 49.4075



9.3268, 9.8459, 12.0811



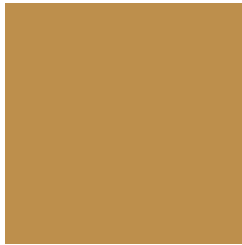
8.0335, 6.1788, 33.1621



0.3791, 0.3710, 1.3205

Previews

White Background



This preview shows how the XYZ color 32.1132, 30.9855, 11.1257 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 32.1132, 30.9855, 11.1257 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 32.1132, 30.9855, 11.1257

Background



This preview shows how black text looks on a background with the XYZ color 32.1132, 30.9855, 11.1257.



This preview shows how white text looks on a background with the XYZ color 32.1132, 30.9855,

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

32.1132, 30.9855, 11.1257

Protanopia

28.5759, 31.2365, 11.9203

Deuteranopia

31.5275, 30.9074, 11.1415



Tritanopia

36.0229, 30.8416, 30.8425

Trichromacy



Original Color

32.1132, 30.9855, 11.1257

Protanomaly

29.8018, 31.1589, 11.6513

Deuteranomaly

31.7713, 31.0331, 11.1529

Tritanomaly

34.2169, 30.7395, 21.8992

Monochromacy



Original Color

32.1132, 30.9855, 11.1257

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.2564, 30.1651, 22.6928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1132, 30.9855, 11.1257 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(189, 143, 76)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 76)  
}
```

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(189, 143, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 76) }
```

Border

The CSS property to change the border of an element to XYZ 32.1132, 30.9855, 11.1257 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(189, 143, 76) }
```


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

```
.border{ border-color:rgb(189, 143, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 143, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 76);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1132, 30.9855, 11.1257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 143, 76) }
```

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

```
.background{ background-color: rgb(189,  
143, 76) }
```

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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