

Converting Colors

XYZ(31.5149, 30.4434, 12.9990)

Have a look what the booklet for
XYZ(31.5149, 30.4434, 12.9990)
contains.

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Color

**XYZ(31.6024, 30.4570,
13.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8E56
RGB	186, 142, 86
RGB Percent	73%, 56%, 34%
CMY	0.2706, 0.4431, 0.6627
CMYK	0.00, 0.24, 0.54, 0.27
HSL	34°, 42%, 53%
HSV	34°, 54%, 73%
XYZ	31.6024, 30.4570, 13.0173
YIQ	148.7720, 44.2000, -8.0880

Conversions

Conversions Part 2

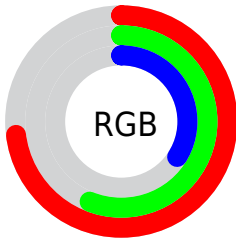
Format	Color
RYB	165, 186, 86
Decimal	12226134
CIELab	62.05, 9.98, 36.04
CIElCh	62, 37.394, 74.519
Yxy	30.4570, 0.4209, 0.4057
Android (android.graphics.Color)	4290416214 (0xFFBA8E56)
YUV	148.7720, -30.9466, 32.6490
Hunter-Lab	55.1879, 5.6363, 24.6466

Details

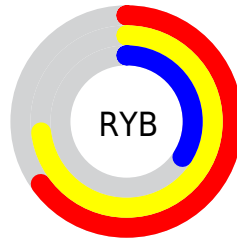
The XYZ color **31.6024, 30.4570, 13.0173** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.6829, 21.4880, 49.5116**, and the grayscale version is **28.5848, 30.0734, 32.7500**.

A 20% lighter version of the original color is **61.5635, 60.5191, 32.1035**, and **13.3829, 12.5401, 3.5488** is the 20% darker color. If you saturate the color by 10%, you get **29.7753, 27.8501, 9.1799**, and if you desaturate by 10%, it is **33.7154, 33.3236, 17.9127**.

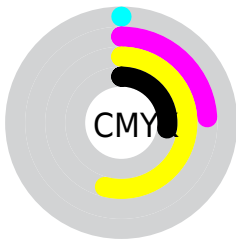
Distribution



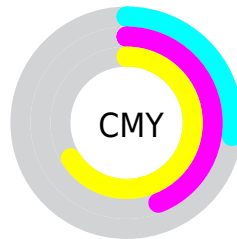
- Red (73%)
- Green (56%)
- Blue (34%)



- Red (65%)
- Yellow (73%)
- Blue (34%)



- Cyan (0%)
- Magenta (24%)
- Yellow (54%)
- Black (27%)



- Cyan (27%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6024, 30.4570, 13.0173 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 31.6024, 30.4570, 13.0173 by changing the saturation by 10% instead.

■ 31.6024, 30.4570,
13.0173

■ 31.6024, 30.4570,
13.0173

301.0816,
304.0289, 222.2402

■ 21.2121, 20.1857,
7.3096

■ 61.5567, 60.3841,
32.0265

■ 13.3924, 12.5301,
3.5751

■ 81.8513, 80.8088,
46.1651

■ 7.7782, 7.1058,
1.3953

■ 106.1781,
105.3867, 63.9510

■ 4.0040, 3.5284,
0.1380

■ 134.9024,
134.5023, 85.8029

■ 1.7044, 1.4134,
0.0000

■ 168.3895,
168.5399, 112.1392

■ 0.4590, 0.2266,
0.0000

207.0049,

■ 0.0000, 0.0000,

207.8839, 143.3785

0.0000

251.1138,
252.9188, 179.9393

■ 31.6024, 30.4570,
13.0173

■ 31.6024, 30.4570,
13.0173

■ 29.7753, 27.8501,
9.1799

■ 33.7154, 33.3236,
17.9127

■ 28.2145, 25.4886,
6.3166

■ 36.1277, 36.4548,
23.9375

■ 26.9010, 23.3628,
4.3335

■ 38.8544, 39.8606,
31.1592

■ 25.8113, 21.4601,
3.1170

■ 41.9089, 43.5491,
39.6392

■ 25.2168, 20.3736,
2.6034

■ 45.3036, 47.5281,
49.4348

■ 49.0502, 51.8048,
60.5996

■ 53.1599, 56.3864,
73.1843

■ 57.6432, 61.2796,
87.2370

■ 62.5104, 66.4908,
102.8035

Harmonies

Analogous

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



36.3915, 30.4570, 17.3098



31.6024, 30.4570, 13.0173



26.5952, 30.4570, 12.9530

Triad

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



31.6024, 30.4570, 13.0173



20.5728, 30.4570, 40.5875



36.2581, 30.4570, 57.0391

Complementary

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



31.6024, 30.4570, 13.0173



20.6829, 21.4880, 49.5116

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.



31.4366, 30.4570, 67.7719



31.6024, 30.4570, 13.0173



22.5965, 30.4570, 56.5689

Square

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



31.6024, 30.4570, 13.0173



20.6063, 30.4570, 26.3168



26.4474, 30.4570, 67.5785



39.2838, 30.4570, 41.1030

Rectangle

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



31.6024, 30.4570, 13.0173



23.8154, 30.4570, 15.2008



26.4474, 30.4570, 67.5785



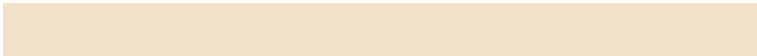
34.7706, 30.4570, 61.5555

Sweetspot

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



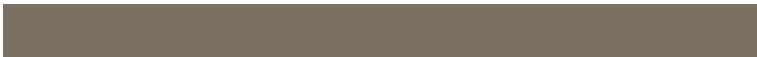
31.6031, 30.4585, 13.0179



74.5204, 77.2139, 67.7827



27.6743, 18.7336, 23.6304



16.1546, 16.6960, 14.2117



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.



31.6031, 30.4585, 13.0179



53.2736, 49.4510, 15.2873



38.2946, 45.6132, 15.5904



9.4105, 9.8240, 9.5071



17.0409, 13.8581, 1.7767



0.6613, 0.6096, 0.0828

Inverse Universe

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



20.6829, 21.4880, 49.5116



31.3578, 31.4795, 88.6248



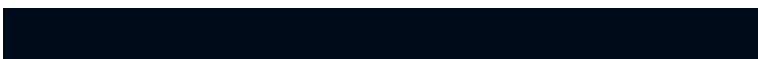
16.5054, 12.4253, 47.9825



8.8375, 9.3522, 11.4188



8.0562, 6.5721, 32.0970



0.3458, 0.3554, 1.1521

Previews

White Background



This preview shows how the XYZ color 31.6024, 30.4570, 13.0173 looks on a white background.

Color Contrast Check

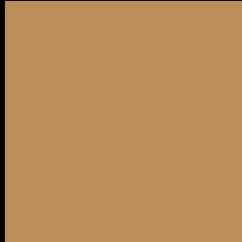
Large Text (above 18pt) WCAG AA × Fail

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 31.6024, 30.4570, 13.0173 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 31.6024, 30.4570, 13.0173

Background



This preview shows how black text looks on a background with the XYZ color 31.6024, 30.4570, 13.0173.



This preview shows how white text looks on a background with the XYZ color 31.6024, 30.4570,

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

31.6024, 30.4570, 13.0173

Protanopia

28.0194, 30.4265, 13.8473

Deuteranopia

31.0306, 30.3841, 13.0333



Tritanopia

35.2607, 30.4486, 30.8068

Trichromacy



Original Color

31.6024, 30.4570, 13.0173

Protanomaly

29.2084, 30.3427, 13.5498

Deuteranomaly

31.2693, 30.5072, 13.0445

Tritanomaly

33.7128, 30.4510, 23.1696

Monochromacy



Original Color

31.6024, 30.4570, 13.0173

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.9451, 29.7455, 23.9546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6024, 30.4570, 13.0173 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(186, 142, 86)` looks like.

```
.text, #text, p{  
    color:rgb(186, 142, 86)  
}
```

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(186, 142, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 142, 86) }
```

Border

The CSS property to change the border of an element to XYZ 31.6024, 30.4570, 13.0173 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(186, 142, 86) }
```


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

```
.border{ border-color:rgb(186, 142, 86) }
```

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

Here you see how a box with a 4 pixel rgb(186, 142, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 142, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 142, 86);  
box-shadow:4px 4px 4px 4px rgb(186, 142,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6024, 30.4570, 13.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 142, 86) }
```

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

```
.background{ background-color: rgb(186,  
142, 86) }
```

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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