

Converting Colors

XYZ(30.7326, 36.3035, 23.9301)

Have a look what the booklet for
XYZ(30.7326, 36.3035, 23.9301)
contains.

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Color

**XYZ(30.6524, 36.1827,
23.7808)**

Conversions

Conversions Part 1

Format	Color
Hex	99A87A
RGB	153, 168, 122
RGB Percent	60%, 66%, 48%
CMY	0.4000, 0.3412, 0.5216
CMYK	0.09, 0.00, 0.27, 0.34
HSL	80°, 21%, 57%
HSV	80°, 27%, 66%
XYZ	30.6524, 36.1827, 23.7808
YIQ	158.2710, 5.8260, -17.4860

Conversions

Conversions Part 2

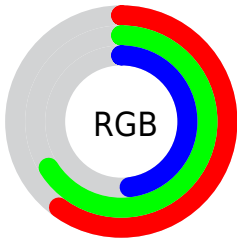
Format	Color
RYB	122, 168, 137
Decimal	10070138
CIELab	66.66, -13.41, 22.07
CIElCh	67, 25.825, 121.276
Yxy	36.1827, 0.3383, 0.3993
Android (android.graphics.Color)	4288260218 (0xFF99A87A)
YUV	158.2710, -17.8816, -4.6227
Hunter-Lab	60.1521, -14.3057, 18.6664

Details

The XYZ color **30.6524, 36.1827, 23.7808** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.3453, 22.0656, 40.0237**, and the grayscale version is **32.7001, 34.4030, 37.4649**.

A 20% lighter version of the original color is **60.1380, 69.2804, 50.7603**, and **12.8148, 15.7385, 8.6658** is the 20% darker color. If you saturate the color by 10%, you get **28.6899, 35.2822, 18.7169**, and if you desaturate by 10%, it is **32.8443, 37.1829, 29.7963**.

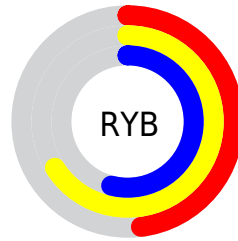
Distribution



Red (60%)

Green (66%)

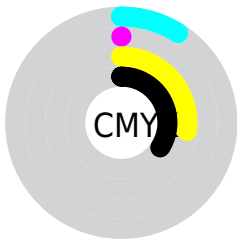
Blue (48%)



Red (48%)

Yellow (66%)

Blue (54%)

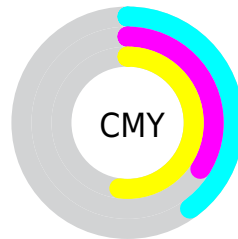


Cyan (9%)

Magenta (0%)

Yellow (27%)

Black (34%)



Cyan (40%)

Magenta (34%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6524, 36.1827, 23.7808 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 30.6524, 36.1827, 23.7808 by changing the saturation by 10% instead.

■ 30.6524, 36.1827,
23.7808

■ 30.6524, 36.1827,
23.7808

296.7893,
329.7584, 284.9612

■ 20.4848, 24.5753,
14.9604

■ 60.0720, 69.3140,
50.6116

■ 12.8583, 15.7609,
8.6453

■ 80.0547, 91.6067,
69.4591

■ 7.4073, 9.3552,
4.4169

■ 104.0398,
118.2299, 92.4860

■ 3.7667, 4.9736,
1.8567

132.3927,
149.5681, 120.1109

■ 1.5710, 2.2318,
0.4650

165.4788,
186.0057, 152.7523

■ 0.3734, 0.7372,
0.0000

203.6633,

■ 0.0000, 0.0000,

227.9270, 190.8288

0.0000

247.3117,
275.7164, 234.7589

■ 30.6524, 36.1827,
23.7808

■ 30.6524, 36.1827,
23.7808

■ 28.6899, 35.2822,
18.7169

■ 32.8443, 37.1829,
29.7963

■ 26.9440, 34.4725,
14.5536

■ 35.2720, 38.2818,
36.8064

■ 25.4051, 33.7509,
11.2384

■ 37.9450, 39.4844,
44.8543

■ 24.0612, 33.1126,
8.7126

■ 40.8716, 40.7942,
53.9798

■ 22.8991, 32.5523,
6.9100

■ 44.0594, 42.2142,
64.2209

■ 21.9036, 32.0636,
5.7537

■ 47.5160, 43.7475,
75.6134

■ 21.0512, 31.6372,
5.1234

■ 51.2483, 45.3971,
88.1918

■ 20.8406, 31.5314,
4.9878

■ 55.0362, 47.0748,
100.7934

■ 56.4957, 47.8272,
100.8617

Harmonies

Analogous

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



34.2243, 36.1827, 21.6299



30.6524, 36.1827, 23.7808



28.2406, 36.1827, 29.9744

Triad

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



30.6524, 36.1827, 23.7808



30.9204, 36.1827, 61.3211



42.4218, 36.1827, 38.9217

Complementary

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



30.6524, 36.1827, 23.7808



24.3453, 22.0656, 40.0237

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.



41.3743, 36.1827, 50.6119



30.6524, 36.1827, 23.7808



34.5574, 36.1827, 64.9218

Square

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



30.6524, 36.1827, 23.7808



28.3869, 36.1827, 51.5947



38.4209, 36.1827, 60.6826



41.1861, 36.1827, 29.2910

Rectangle

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



30.6524, 36.1827, 23.7808



27.5158, 36.1827, 36.2370



38.4209, 36.1827, 60.6826



42.3245, 36.1827, 42.7352

Sweetspot

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



30.6533, 36.1843, 23.7816



63.6502, 69.3052, 65.7483



28.5468, 27.4995, 22.2163



13.7280, 15.0400, 13.9050



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.



30.6533, 36.1843, 23.7816



53.3572, 64.6194, 37.2359



26.7892, 34.1923, 23.6007



7.9055, 8.6494, 8.0421



15.7926, 23.8386, 3.7690



0.4345, 0.6059, 0.0941

Inverse Universe

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



24.3453, 22.0656, 40.0237



39.9419, 34.5819, 71.7949



28.4394, 24.1762, 40.2153



7.3537, 7.4149, 9.4620



6.5675, 2.7691, 28.1638



0.2131, 0.0949, 0.6877

Previews

White Background



This preview shows how the XYZ color 30.6524, 36.1827, 23.7808 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 30.6524, 36.1827, 23.7808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

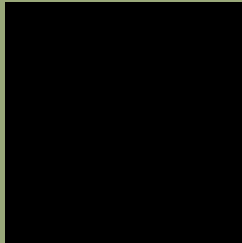
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6524, 36.1827, 23.7808

Background



This preview shows how black text looks on a background with the XYZ color 30.6524, 36.1827, 23.7808.



This preview shows how white text looks on a background with the XYZ color 30.6524, 36.1827,

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

30.6524, 36.1827, 23.7808

Protanopia

33.7057, 36.1712, 22.6580

Deuteranopia

36.6582, 35.8705, 24.3936



Tritanopia

34.8821, 36.0193, 45.1583

Trichromacy



Original Color

30.6524, 36.1827, 23.7808

Protanomaly

32.3915, 36.0140, 23.0135

Deuteranomaly

34.3404, 35.9440, 24.1967

Tritanomaly

33.0965, 36.0856, 36.2312

Monochromacy



Original Color

30.6524, 36.1827, 23.7808

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7415, 34.9529, 31.8617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6524, 36.1827, 23.7808 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(153, 168, 122)` looks like.

```
.text, #text, p{  
    color:rgb(153, 168, 122)  
}
```

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(153, 168, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 168, 122) }
```

Border

The CSS property to change the border of an element to XYZ 30.6524, 36.1827, 23.7808 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(153, 168, 122) }
```


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

```
.border{ border-color:rgb(153, 168, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 168, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 168, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 168, 122);  
box-shadow:4px 4px 4px 4px rgb(153, 168,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6524, 36.1827, 23.7808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 168, 122) }
```

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

```
.background{ background-color: rgb(153,  
168, 122) }
```

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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