

Converting Colors

XYZ(24.9244, 31.2112, 23.1201)

Have a look what the booklet for
XYZ(24.9244, 31.2112, 23.1201)
contains.

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Color

**XYZ(24.8361, 31.0588,
23.0983)**

Conversions

Conversions Part 1

Format	Color
Hex	7FA07A
RGB	127, 160, 122
RGB Percent	50%, 63%, 48%
CMY	0.5020, 0.3725, 0.5216
CMYK	0.21, 0.00, 0.24, 0.37
HSL	112°, 17%, 55%
HSV	112°, 24%, 63%
XYZ	24.8361, 31.0588, 23.0983
YIQ	145.8010, -7.4700, -18.8140

Conversions

Conversions Part 2

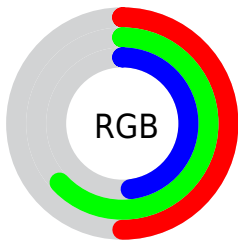
Format	Color
RYB	122, 160, 155
Decimal	8364154
CIELab	62.56, -18.95, 16.16
CIElCh	63, 24.908, 139.540
Yxy	31.0588, 0.3144, 0.3932
Android (android.graphics.Color)	4286554234 (0xFF7FA07A)
YUV	145.8010, -11.7339, -16.4885
Hunter-Lab	55.7304, -17.9802, 14.4377

Details

The XYZ color **24.8361, 31.0588, 23.0983** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.8235, 23.4266, 36.3674**, and the grayscale version is **27.2895, 28.7107, 31.2660**.

A 20% lighter version of the original color is **50.8607, 61.3993, 49.7281**, and **9.6257, 12.7839, 8.2635** is the 20% darker color. If you saturate the color by 10%, you get **21.9967, 29.7012, 18.2095**, and if you desaturate by 10%, it is **28.1259, 32.6315, 28.8616**.

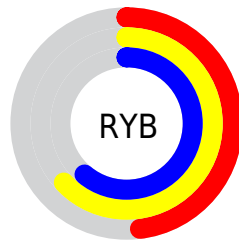
Distribution



Red (50%)

Green (63%)

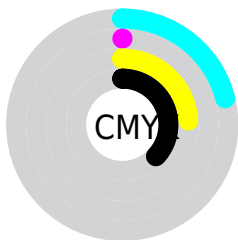
Blue (48%)



Red (48%)

Yellow (63%)

Blue (61%)

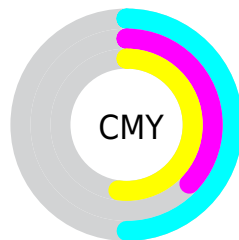


Cyan (21%)

Magenta (0%)

Yellow (24%)

Black (37%)



Cyan (50%)

Magenta (37%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8361, 31.0588, 23.0983 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 24.8361, 31.0588, 23.0983 by changing the saturation by 10% instead.

■ 24.8361, 31.0588,
23.0983

■ 24.8361, 31.0588,
23.0983

269.3834,
306.8091, 281.3677

■ 16.0831, 20.6436,
14.4601

■ 50.8360, 61.3326,
49.4799

■ 9.6742, 12.8638,
8.2990

■ 68.8136, 81.9601,
68.0605

■ 5.2441, 7.3348,
4.1963

■ 90.5968, 106.7604,
90.7922

■ 2.4274, 3.6723,
1.7337

116.5508,
136.1180, 118.0937

■ 0.8588, 1.4920,
0.3837

147.0412,
170.4173, 150.3834

■ 0.0000, 0.2831,
0.0000

182.4332,

■ 0.0000, 0.0000,

210.0427, 188.0800

0.0000

223.0921,
255.3785, 231.6019

■ 24.8361, 31.0588,
23.0983

■ 24.8361, 31.0588,
23.0983

■ 21.9967, 29.7012,
18.2095

■ 28.1259, 32.6315,
28.8616

■ 19.5855, 28.5456,
14.1506

■ 31.8820, 34.4240,
35.5369

■ 17.5825, 27.5833,
10.8761

■ 36.1225, 36.4457,
43.1623

■ 15.9646, 26.8039,
8.3352

■ 40.8639, 38.7043,
51.7729

■ 14.7067, 26.1954,
6.4715

■ 46.1219, 41.2072,
61.4020

■ 13.7807, 25.7447,
5.2202

■ 51.9114, 43.9614,
72.0815

■ 13.1539, 25.4368,
4.5036

■ 58.2470, 46.9738,
83.8418

■ 12.8817, 25.3028,
4.2050

■ 65.1423, 50.2507,
96.7120

■ 70.7876, 53.0693,
101.1202

Harmonies

Analogous

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



27.3947, 31.0588, 19.1065



24.8361, 31.0588, 23.0983



23.5665, 31.0588, 30.5425

Triad

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



24.8361, 31.0588, 23.0983



28.3535, 31.0588, 55.6825



36.0951, 31.0588, 27.9536

Complementary

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



24.8361, 31.0588, 23.0983



26.8235, 23.4266, 36.3674

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.



36.4012, 31.0588, 37.3192



24.8361, 31.0588, 23.0983



31.7534, 31.0588, 54.6233

Square

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



24.8361, 31.0588, 23.0983



25.4917, 31.0588, 50.0919



34.7596, 31.0588, 47.4267



33.9528, 31.0588, 21.5160

Rectangle

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



24.8361, 31.0588, 23.0983



23.5509, 31.0588, 37.0051



34.7596, 31.0588, 47.4267



36.4221, 31.0588, 30.8189

Sweetspot

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



24.8369, 31.0601, 23.0990



55.4809, 61.3538, 60.2303



29.7217, 32.3007, 23.0810



12.0861, 13.4168, 13.0640



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.8369, 31.0601, 23.0990



42.0023, 54.9145, 36.5945



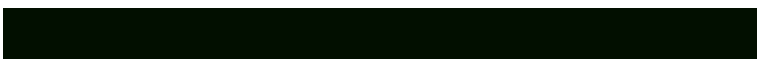
25.0370, 31.0563, 27.9434



6.6279, 7.4408, 7.0726



10.0569, 19.7212, 3.2765



0.2003, 0.3632, 0.0595

Inverse Universe

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



26.8235, 23.4266, 36.3674



46.3036, 38.3676, 65.3518



26.6513, 23.4709, 30.3481



6.8183, 6.7103, 8.3425



13.2568, 6.2632, 26.4174



0.2586, 0.1231, 0.4734

Previews

White Background



This preview shows how the XYZ color 24.8361, 31.0588, 23.0983 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 24.8361, 31.0588, 23.0983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

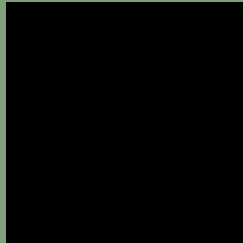
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.8361, 31.0588, 23.0983

Background



This preview shows how black text looks on a background with the XYZ color 24.8361, 31.0588, 23.0983.



This preview shows how white text looks on a background with the XYZ color 24.8361, 31.0588,

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

24.8361, 31.0588, 23.0983

Protanopia

29.0346, 31.0183, 21.5964

Deuteranopia

31.2826, 30.7301, 23.6848



Tritanopia

28.2701, 30.9327, 40.5570

Trichromacy



Original Color

24.8361, 31.0588, 23.0983

Protanomaly

27.2798, 30.8327, 21.9663

Deuteranomaly

28.4491, 30.4360, 23.4441

Tritanomaly

26.7536, 30.8042, 33.3899

Monochromacy



Original Color

24.8361, 31.0588, 23.0983

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.2294, 29.4283, 27.9647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8361, 31.0588, 23.0983 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(127, 160, 122)` looks like.

```
.text, #text, p{  
    color:rgb(127, 160, 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(127, 160, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 160, 122) }
```

Border

The CSS property to change the border of an element to XYZ 24.8361, 31.0588, 23.0983 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(127, 160, 122) }
```


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

```
.border{ border-color:rgb(127, 160, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 160, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 160, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 160, 122);  
box-shadow:4px 4px 4px 4px rgb(127, 160,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8361, 31.0588, 23.0983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 160, 122) }
```

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

```
.background{ background-color: rgb(127,  
160, 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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