

Converting Colors

XYZ(24.9855, 31.1304, 23.2635)

Have a look what the booklet for
XYZ(24.9855, 31.1304, 23.2635)
contains.

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Color

**XYZ(24.9857, 31.1359,
23.1053)**

Conversions

Conversions Part 1

Format	Color
Hex	80A07A
RGB	128, 160, 122
RGB Percent	50%, 63%, 48%
CMY	0.4980, 0.3725, 0.5216
CMYK	0.20, 0.00, 0.24, 0.37
HSL	111°, 17%, 55%
HSV	111°, 24%, 63%
XYZ	24.9857, 31.1359, 23.1053
YIQ	146.1000, -6.8740, -18.6020

Conversions

Conversions Part 2

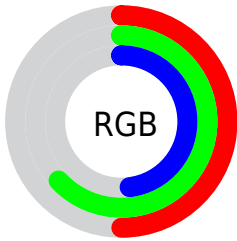
Format	Color
R_{YB}	122, 160, 154
Decimal	8429690
CIE _{Lab}	62.62, -18.59, 16.26
CIE _{LCh}	63, 24.700, 138.821
Yxy	31.1359, 0.3154, 0.3930
Android (android.graphics.Color)	4286619770 (0xFF80A07A)
YUV	146.1000, -11.8813, -15.8737
Hunter-Lab	55.7996, -17.7212, 14.5091

Details

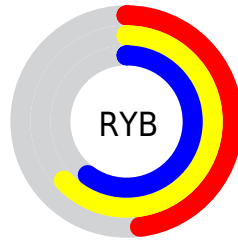
The XYZ color **24.9857, 31.1359, 23.1053** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.6324, 23.3281, 36.3584**, and the grayscale version is **27.4125, 28.8400, 31.4068**.

A 20% lighter version of the original color is **51.0944, 61.5198, 49.7390**, and **9.7070, 12.8259, 8.2674** is the 20% darker color. If you saturate the color by 10%, you get **22.1810, 29.7962, 18.2182**, and if you desaturate by 10%, it is **28.2244, 32.6823, 28.8662**.

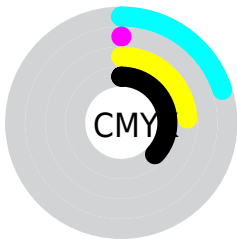
Distribution



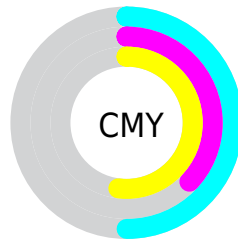
- Red (50%)
- Green (63%)
- Blue (48%)



- Red (48%)
- Yellow (63%)
- Blue (60%)



- Cyan (20%)
- Magenta (0%)
- Yellow (24%)
- Black (37%)



- Cyan (50%)
- Magenta (37%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9857, 31.1359, 23.1053 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 24.9857, 31.1359, 23.1053 by changing the saturation by 10% instead.

■ 24.9857, 31.1359,
23.1053

■ 24.9857, 31.1359,
23.1053

270.1157,
307.1639, 281.4048

■ 16.1951, 20.7024,
14.4652

■ 51.0771, 61.4540,
49.4916

■ 9.7540, 12.9066,
8.3025

■ 69.1086, 82.1073,
68.0748

■ 5.2972, 7.3643,
4.1986

■ 90.9510, 106.9360,
90.8096

■ 2.4592, 3.6909,
1.7349

116.9698,
136.3244, 118.1144

■ 0.8747, 1.5022,
0.3845

147.5303,
170.6571, 150.4078

■ 0.0000, 0.2903,
0.0000

182.9979,

■ 0.0000, 0.0000,

210.3183, 188.1083

0.0000

223.7379,
255.6924, 231.6345

■ 24.9857, 31.1359,
23.1053

■ 24.9857, 31.1359,
23.1053

■ 22.1810, 29.7962,
18.2182

■ 28.2244, 32.6823,
28.8662

■ 19.7895, 28.6507,
14.1601

■ 31.9122, 34.4396,
35.5383

■ 17.7920, 27.6914,
10.8859

■ 36.0662, 36.4166,
43.1597

■ 16.1671, 26.9082,
8.3447

■ 40.7021, 38.6208,
51.7653

■ 14.8910, 26.2903,
6.4802

■ 45.8346, 41.0591,
61.3885

■ 13.9372, 25.8254,
5.2275

■ 51.4781, 43.7380,
72.0612

■ 13.2753, 25.4994,
4.5093

■ 57.6462, 46.6640,
83.8136

■ 12.9787, 25.3528,
4.2095

■ 64.3519, 49.8433,
96.6750

■ 69.7850, 52.5524,
101.0733

Harmonies

Analogous

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



27.5549, 31.1359, 19.2120



24.9857, 31.1359, 23.1053



23.6888, 31.1359, 30.4343

Triad

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



24.9857, 31.1359, 23.1053



28.3569, 31.1359, 55.5256



36.1509, 31.1359, 28.2676

Complementary

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



24.9857, 31.1359, 23.1053



26.6324, 23.3281, 36.3584

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.



36.4065, 31.1359, 37.6230



24.9857, 31.1359, 23.1053



31.7308, 31.1359, 54.6421

Square

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



24.9857, 31.1359, 23.1053



25.5344, 31.1359, 49.8503



34.7361, 31.1359, 47.6258



34.0620, 31.1359, 21.7789

Rectangle

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



24.9857, 31.1359, 23.1053



23.6489, 31.1359, 36.8237



34.7361, 31.1359, 47.6258



36.4596, 31.1359, 31.1385

Sweetspot

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



24.9865, 31.1372, 23.1060



55.5814, 61.4057, 60.2350



29.5120, 31.8815, 23.0111



12.1097, 13.4290, 13.0651



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.



24.9865, 31.1372, 23.1060



42.3140, 55.0753, 36.6091



24.9475, 31.0205, 27.4723



6.6435, 7.4488, 7.0733



10.1354, 19.7617, 3.2802



0.2053, 0.3658, 0.0598

Inverse Universe

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



26.6324, 23.3281, 36.3584



45.8767, 38.1475, 65.3318



26.7505, 23.5105, 30.8703



6.8013, 6.7015, 8.3417



12.7242, 5.9886, 26.3925



0.2527, 0.1200, 0.4731

Previews

White Background



This preview shows how the XYZ color 24.9857, 31.1359, 23.1053 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 24.9857, 31.1359, 23.1053 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 24.9857, 31.1359, 23.1053

Background



This preview shows how black text looks on a background with the XYZ color 24.9857, 31.1359, 23.1053.



This preview shows how white text looks on a background with the XYZ color 24.9857, 31.1359,

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

24.9857, 31.1359, 23.1053

Protanopia

29.0346, 31.0183, 21.5964

Deuteranopia

31.5063, 30.8454, 23.6952



Tritanopia

28.4302, 31.0153, 40.5645

Trichromacy



Original Color

24.9857, 31.1359, 23.1053

Protanomaly

27.2798, 30.8327, 21.9663

Deuteranomaly

28.6450, 30.5370, 23.4533

Tritanomaly

26.9092, 30.8845, 33.3972

Monochromacy



Original Color

24.9857, 31.1359, 23.1053

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 24.9857, 31.1359, 23.1053 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(128, 160, 122)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 160, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 160, 122) }
```

Border

The CSS property to change the border of an element to XYZ 24.9857, 31.1359, 23.1053 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(128, 160, 122) }
```


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

```
.border{ border-color:rgb(128, 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(128, 160, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 160, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 160, 122); box-shadow:4px 4px 4px 4px rgb(128, 160, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9857, 31.1359, 23.1053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 160, 122) }
```

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

```
.background{ background-color: rgb(128,  
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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