

Converting Colors

XYZ(24.9068, 23.9858, 13.1393)

Have a look what the booklet for
XYZ(24.9068, 23.9858, 13.1393)
contains.

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Color

**XYZ(24.9173, 24.0862,
13.2333)**

Conversions

Conversions Part 1

Format	Color
Hex	A4805B
RGB	164, 128, 91
RGB Percent	64%, 50%, 36%
CMY	0.3569, 0.4980, 0.6431
CMYK	0.00, 0.22, 0.45, 0.36
HSL	30°, 29%, 50%
HSV	30°, 45%, 64%
XYZ	24.9173, 24.0862, 13.2333
YIQ	134.5460, 33.3330, -3.8750

Conversions

Conversions Part 2

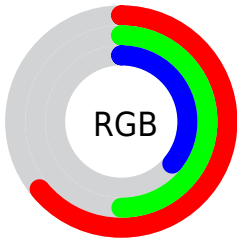
Format	Color
R_{YB}	162, 164, 91
Decimal	10780763
CIE _{Lab}	56.17, 8.91, 25.37
CIE _{LCh}	56, 26.889, 70.647
Yxy	24.0862, 0.4004, 0.3870
Android (android.graphics.Color)	4288970843 (0xFFA4805B)
YUV	134.5460, -21.4682, 25.8312
Hunter-Lab	49.0777, 4.7405, 18.3674

Details

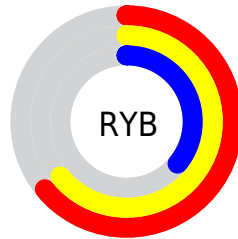
The XYZ color **24.9173, 24.0862, 13.2333** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.6042, 20.0823, 38.0175**, and the grayscale version is **22.9298, 24.1239, 26.2710**.

A 20% lighter version of the original color is **50.9216, 50.2164, 32.6001**, and **9.6810, 9.0888, 3.6269** is the 20% darker color. If you saturate the color by 10%, you get **23.2727, 21.8082, 9.5681**, and if you desaturate by 10%, it is **26.8018, 26.5965, 17.7418**.

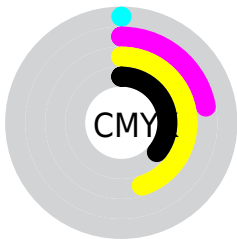
Distribution



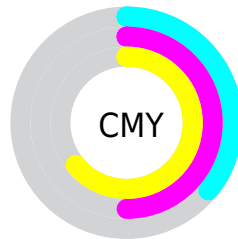
- Red (64%)
- Green (50%)
- Blue (36%)



- Red (64%)
- Yellow (64%)
- Blue (36%)



- Cyan (0%)
- Magenta (22%)
- Yellow (45%)
- Black (36%)




- Cyan (36%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9173, 24.0862, 13.2333 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 24.9173, 24.0862, 13.2333 by changing the saturation by 10% instead.


 24.9173, 24.0862,
13.2333


 24.9173, 24.0862,
13.2333


269.7811,
273.2560, 223.6676


 16.1439, 15.3976,
7.4568


 50.9669, 50.1708,
32.4196

 9.7175, 9.0989,
3.6666


 68.9737, 68.3356,
46.6665

 5.2729, 4.8057,
1.4443

 90.7891, 90.4279,
64.5738

 2.4446, 2.1337,
0.1759

 116.7783,
116.8322, 86.5603

 0.8674, 0.6835,
0.0000

147.3068,
147.9327, 113.0443

 0.0000, 0.0000,
0.0000

182.7398,

184.1139, 144.4446

223.4428,
225.7602, 181.1794

■ 24.9173, 24.0862,
13.2333

■ 24.9173, 24.0862,
13.2333

■ 23.2727, 21.8082,
9.5681

■ 26.8018, 26.5965,
17.7418

■ 21.8542, 19.7511,
6.6904

■ 28.9355, 29.3431,
23.1416

■ 20.6488, 17.9075,
4.5401

■ 31.3295, 32.3343,
29.4786

■ 19.6413, 16.2678,
3.0474

■ 33.9933, 35.5768,
36.7953

■ 18.8137, 14.8214,
2.1277

■ 36.9363, 39.0769,
45.1315

■ 18.4132, 14.0993,
1.7510

■ 40.1671, 42.8409,
54.5246

■ 43.6939, 46.8746,
65.0105

■ 47.5248, 51.1838,
76.6230

■ 51.6673, 55.7740,
89.3947

Harmonies

Analogous

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



27.6991, 24.0862, 16.6369



24.9173, 24.0862, 13.2333



21.8138, 24.0862, 12.8145

Triad

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



24.9173, 24.0862, 13.2333



17.5407, 24.0862, 29.4940



26.9819, 24.0862, 41.3556

Complementary

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



24.9173, 24.0862, 13.2333



18.6042, 20.0823, 38.0175

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.



24.0076, 24.0862, 46.7338



24.9173, 24.0862, 13.2333



18.6780, 24.0862, 38.9323

Square

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



24.9173, 24.0862, 13.2333



17.7367, 24.0862, 20.9857



20.9818, 24.0862, 45.7589



28.9633, 24.0862, 32.2728

Rectangle

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



24.9173, 24.0862, 13.2333



19.9985, 24.0862, 14.1499



20.9818, 24.0862, 45.7589



26.0545, 24.0862, 43.7399

Sweetspot

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



24.9179, 24.0873, 13.2338



57.4537, 59.4128, 55.0916



22.9144, 16.9202, 22.3083



12.3482, 12.7271, 11.4706



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.9179, 24.0873, 13.2338



42.3876, 39.7887, 17.6743



30.4735, 35.1986, 15.0857



7.3566, 7.6516, 7.4693



14.1662, 10.9064, 1.3585



0.3449, 0.3236, 0.0443

Inverse Universe

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



18.6042, 20.0823, 38.0175



29.4919, 31.6098, 68.2992



14.7565, 12.3869, 36.7349



6.9754, 7.4097, 8.9656



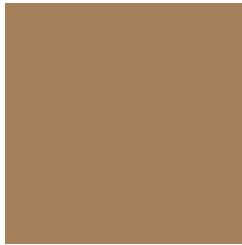
7.4340, 6.6475, 27.8211



0.2035, 0.2343, 0.6003

Previews

White Background



This preview shows how the XYZ color 24.9173, 24.0862, 13.2333 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9173, 24.0862, 13.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

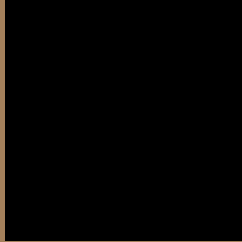
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9173, 24.0862, 13.2333

Background



This preview shows how black text looks on a background with the XYZ color 24.9173, 24.0862, 13.2333.



This preview shows how white text looks on a background with the XYZ color 24.9173, 24.0862,

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

24.9173, 24.0862, 13.2333

Protanopia

22.5384, 24.2471, 14.0819

Deuteranopia

24.6389, 24.1372, 13.2579



Tritanopia

27.3963, 24.1567, 25.0486

Trichromacy



Original Color

24.9173, 24.0862, 13.2333

Protanomaly

23.3639, 24.0651, 13.7696

Deuteranomaly

24.8428, 24.2424, 13.2674

Tritanomaly

26.4809, 24.1671, 20.0986

Monochromacy



Original Color

24.9173, 24.0862, 13.2333

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.4351, 23.9454, 20.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9173, 24.0862, 13.2333 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(164, 128, 91)` looks like.

```
.text, #text, p{  
    color:rgb(164, 128, 91)  
}
```

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(164, 128, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 128, 91) }
```

Border

The CSS property to change the border of an element to XYZ 24.9173, 24.0862, 13.2333 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(164, 128, 91) }
```


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

```
.border{ border-color:rgb(164, 128, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 128, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 128, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 128, 91);  
box-shadow:4px 4px 4px 4px rgb(164, 128,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9173, 24.0862, 13.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 128, 91) }
```

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

```
.background{ background-color: rgb(164,  
128, 91) }
```

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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