

Converting Colors

XYZ(24.9989, 32.1910, 23.4392)

Have a look what the booklet for
XYZ(24.9989, 32.1910, 23.4392)
contains.

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Color

**XYZ(24.9567, 32.1670,
23.3059)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA47A
RGB	123, 164, 122
RGB Percent	48%, 64%, 48%
CMY	0.5176, 0.3568, 0.5216
CMYK	0.25, 0.00, 0.26, 0.36
HSL	119°, 19%, 56%
HSV	119°, 26%, 64%
XYZ	24.9567, 32.1670, 23.3059
YIQ	146.9530, -10.9540, -21.7540

Conversions

Conversions Part 2

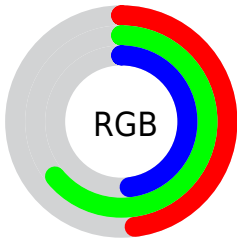
Format	Color
RYB	122, 164, 163
Decimal	8103034
CIELab	63.48, -22.41, 17.40
CIElCh	63, 28.375, 142.181
Yxy	32.1670, 0.3103, 0.3999
Android (android.graphics.Color)	4286293114 (0xFF7BA47A)
YUV	146.9530, -12.3018, -21.0068
Hunter-Lab	56.7160, -20.7076, 15.3375

Details

The XYZ color **24.9567, 32.1670, 23.3059** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.7660, 24.3869, 38.3146**, and the grayscale version is **27.7669, 29.2130, 31.8129**.

A 20% lighter version of the original color is **50.9739, 62.9883, 50.0288**, and **9.7444, 13.4858, 8.3928** is the 20% darker color. If you saturate the color by 10%, you get **21.9192, 30.7097, 18.2995**, and if you desaturate by 10%, it is **28.5420, 33.8887, 29.2345**.

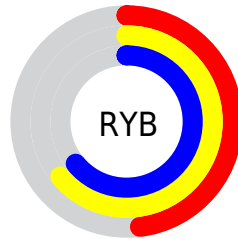
Distribution



Red (48%)

Green (64%)

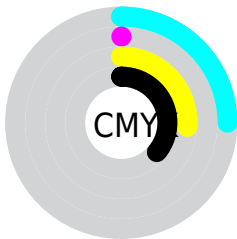
Blue (48%)



Red (48%)

Yellow (64%)

Blue (64%)

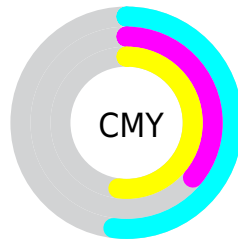


Cyan (25%)

Magenta (0%)

Yellow (26%)

Black (36%)



Cyan (52%)

Magenta (36%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9567, 32.1670, 23.3059 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 24.9567, 32.1670, 23.3059 by changing the saturation by 10% instead.

■ 24.9567, 32.1670,
23.3059

■ 24.9567, 32.1670,
23.3059

269.9739,
311.8793, 282.4650

■ 16.1734, 21.4891,
14.6121

■ 51.0304, 63.0728,
49.8247

■ 9.7385, 13.4820,
8.4040

■ 69.0514, 84.0695,
68.4868

■ 5.2869, 7.7613,
4.2631

■ 90.8824, 109.2745,
91.3087

■ 2.4530, 3.9426,
1.7708

116.8887,
139.0724, 118.7090

■ 0.8716, 1.6415,
0.4086

147.4356,
173.8474, 151.1062

■ 0.0000, 0.3853,
0.0000

182.8885,

■ 0.0000, 0.0000,

213.9839, 188.9190

0.0000

223.6128,
259.8664, 232.5657

■ 24.9567, 32.1670,
23.3059

■ 24.9567, 32.1670,
23.3059

■ 21.9192, 30.7097,
18.2995

■ 28.5420, 33.8887,
29.2345

■ 19.4002, 29.5000,
14.1671

■ 32.6975, 35.8828,
36.1261

■ 17.3714, 28.5252,
10.8591

■ 37.4475, 38.1616,
44.0217

■ 15.8010, 27.7702,
8.3203

■ 42.8141, 40.7360,
52.9592

■ 14.6533, 27.2179,
6.4887

■ 48.8183, 43.6157,
62.9746

■ 13.8872, 26.8486,
5.2929

■ 55.4800, 46.8106,
74.1021

■ 13.4526, 26.6386,
4.6395

■ 62.8183, 50.3296,
86.3745

■ 13.3249, 26.5773,
4.4276

■ 70.8516, 54.1816,
99.8232

■ 72.5661, 55.0322,
101.4054

Harmonies

Analogous

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



27.7944, 32.1670, 18.4937



24.9567, 32.1670, 23.3059



23.6482, 32.1670, 32.1471

Triad

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



24.9567, 32.1670, 23.3059



29.5519, 32.1670, 61.3029



38.1617, 32.1670, 27.4358

Complementary

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



24.9567, 32.1670, 23.3059



28.7660, 24.3869, 38.3146

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.



38.7344, 32.1670, 38.0684



24.9567, 32.1670, 23.3059



33.5325, 32.1670, 59.2809

Square

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



24.9567, 32.1670, 23.3059



26.1482, 32.1670, 55.1758



36.9761, 32.1670, 50.1305



35.4725, 32.1670, 20.4955

Rectangle

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



24.9567, 32.1670, 23.3059



23.7329, 32.1670, 39.8186



36.9761, 32.1670, 50.1305



38.6170, 32.1670, 30.6313

Sweetspot

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



24.9575, 32.1684, 23.3066



57.3323, 64.1627, 62.2247



31.8504, 35.3518, 23.5578



12.2895, 13.9099, 13.1979



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.



24.9575, 32.1684, 23.3066



41.8900, 56.7513, 36.6795



26.1550, 32.6309, 30.3549



7.0004, 7.9027, 7.5365



10.2223, 20.3802, 3.3950



0.2192, 0.4305, 0.0715

Inverse Universe

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



28.7660, 24.3869, 38.3146



50.0520, 40.0712, 68.8488



27.3352, 23.8383, 29.7077



7.3476, 7.1936, 8.9043



16.2747, 7.7964, 27.5769



0.3468, 0.1663, 0.5797

Previews

White Background



This preview shows how the XYZ color 24.9567, 32.1670, 23.3059 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 24.9567, 32.1670, 23.3059 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 24.9567, 32.1670, 23.3059

Background



This preview shows how black text looks on a background with the XYZ color 24.9567, 32.1670, 23.3059.



This preview shows how white text looks on a background with the XYZ color 24.9567, 32.1670,

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

24.9567, 32.1670, 23.3059

Protanopia

29.9120, 31.9593, 21.4219

Deuteranopia

32.5597, 31.8388, 24.1681



Tritanopia

28.8426, 32.1813, 42.7217

Trichromacy



Original Color

24.9567, 32.1670, 23.3059

Protanomaly

27.7812, 31.8354, 22.1334

Deuteranomaly

29.1935, 31.5322, 23.9497

Tritanomaly

27.2227, 32.0307, 34.8848

Monochromacy



Original Color

24.9567, 32.1670, 23.3059

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.4599, 30.0207, 28.4447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9567, 32.1670, 23.3059 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(123, 164, 122)` looks like.

```
.text, #text, p{  
    color:rgb(123, 164, 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(123, 164, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 164, 122) }
```

Border

The CSS property to change the border of an element to XYZ 24.9567, 32.1670, 23.3059 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(123, 164, 122) }
```


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

```
.border{ border-color:rgb(123, 164, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 164, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 164, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 164, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 164,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9567, 32.1670, 23.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 164, 122) }
```

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

```
.background{ background-color: rgb(123,  
164, 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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