

Converting Colors

XYZ(23.1587, 32.9668, 24.1414)

Have a look what the booklet for
XYZ(23.1587, 32.9668, 24.1414)
contains.

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Color

**XYZ(23.0498, 32.8014,
24.1852)**

Conversions

Conversions Part 1

Format	Color
Hex	62AA7C
RGB	98, 170, 124
RGB Percent	38%, 67%, 49%
CMY	0.6157, 0.3333, 0.5137
CMYK	0.42, 0.00, 0.27, 0.33
HSL	142°, 30%, 53%
HSV	142°, 42%, 67%
XYZ	23.0498, 32.8014, 24.1852
YIQ	143.2280, -28.1460, -29.5700

Conversions

Conversions Part 2

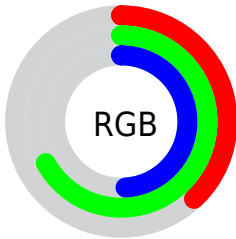
Format	Color
RYB	98, 151, 170
Decimal	6466172
CIELab	64.00, -33.02, 16.81
CIElCh	64, 37.055, 153.026
Yxy	32.8014, 0.2880, 0.4098
Android (android.graphics.Color)	4284656252 (0xFF62AA7C)
YUV	143.2280, -9.4794, -39.6650
Hunter-Lab	57.2725, -28.3881, 15.0536

Details

The XYZ color **23.0498, 32.8014, 24.1852** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.9804, 19.2957, 28.7419**, and the grayscale version is **26.2450, 27.6117, 30.0692**.

A 20% lighter version of the original color is **48.0811, 64.2424, 51.4609**, and **8.7135, 13.7885, 8.8588** is the 20% darker color. If you saturate the color by 10%, you get **20.7573, 31.6955, 20.6880**, and if you desaturate by 10%, it is **25.8093, 34.1411, 28.1007**.

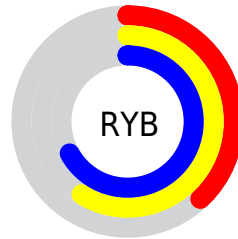
Distribution



Red (38%)

Green (67%)

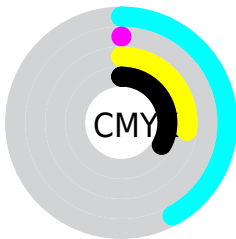
Blue (49%)



Red (38%)

Yellow (59%)

Blue (67%)

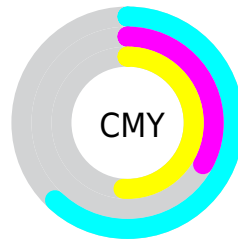


Cyan (42%)

Magenta (0%)

Yellow (27%)

Black (33%)



Cyan (62%)

Magenta (33%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0498, 32.8014, 24.1852 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 23.0498, 32.8014, 24.1852 by changing the saturation by 10% instead.

■ 23.0498, 32.8014,
24.1852

■ 23.0498, 32.8014,
24.1852

260.5112,
314.7539, 287.0721

■ 14.7512, 21.9743,
15.2576

■ 47.9411, 64.0653,
51.2799

■ 8.7301, 13.8381,
8.8517

■ 65.2646, 85.2710,
70.2840

■ 4.6213, 8.0081,
4.5491

■ 86.3270, 110.7050,
93.4841

■ 2.0593, 4.1001,
1.9312

■ 111.4937,
140.7518, 121.2986

■ 0.6669, 1.7297,
0.5125

141.1302,
175.7956, 154.1461

■ 0.0000, 0.4428,
0.0000

175.6017,

■ 0.0000, 0.0000,

216.2210, 192.4452

0.0000

215.2736,
262.4123, 236.6143

■ 23.0498, 32.8014,
24.1852

■ 23.0498, 32.8014,
24.1852

■ 20.7573, 31.6955,
20.6880

■ 25.8093, 34.1411,
28.1007

■ 18.9019, 30.8056,
17.5928

■ 29.0582, 35.7232,
32.4456

■ 17.4540, 30.1176,
14.8855


■ 32.8207, 37.5607,
37.2333


■ 16.3794, 29.6142,
12.5504


■ 37.1182, 39.6646,
42.4760

■ 15.6372, 29.2747,
10.5703


■ 41.9714, 42.0451,
48.1855

 15.2282, 29.0919,
9.2827

 47.3994, 44.7120,
54.3730

 53.4207, 47.6746,
61.0494

 60.0527, 50.9416,
68.2252

 67.3124, 54.5215,
75.9107

Harmonies

Analogous

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



26.0134, 32.8014, 16.6092



23.0498, 32.8014, 24.1852



22.1785, 32.8014, 37.2564

Triad

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



23.0498, 32.8014, 24.1852



31.7104, 32.8014, 72.8609



40.3856, 32.8014, 22.2118

Complementary

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



23.0498, 32.8014, 24.1852



25.9804, 19.2957, 28.7419

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.



42.3291, 32.8014, 34.2170



23.0498, 32.8014, 24.1852



36.9817, 32.8014, 65.6930

Square

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



23.0498, 32.8014, 24.1852



26.8365, 32.8014, 68.0008



41.0194, 32.8014, 50.4271



35.9615, 32.8014, 15.7137

Rectangle

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



23.0498, 32.8014, 24.1852



22.8114, 32.8014, 48.1989



41.0194, 32.8014, 50.4271



41.3717, 32.8014, 25.5977

Sweetspot

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



23.0507, 32.8028, 24.1859



58.9063, 67.8336, 66.7537



28.2223, 35.6344, 16.9462



12.7936, 14.9597, 14.4560



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.0507, 32.8028, 24.1859



37.8220, 57.5835, 37.7914



25.6881, 33.8577, 38.0747



7.5445, 8.4508, 8.5876



11.2262, 21.4093, 6.9582



0.2976, 0.5307, 0.2983

Inverse Universe

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



25.9804, 19.2957, 28.7419



43.8554, 29.7166, 47.1369



23.6957, 18.3818, 16.7111



7.7252, 7.6199, 8.8701



14.2372, 7.1036, 11.3267



0.3696, 0.1821, 0.3976

Previews

White Background



This preview shows how the XYZ color 23.0498, 32.8014, 24.1852 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 23.0498, 32.8014, 24.1852 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 23.0498, 32.8014, 24.1852

Background



This preview shows how black text looks on a background with the XYZ color 23.0498, 32.8014, 24.1852.



This preview shows how white text looks on a background with the XYZ color 23.0498, 32.8014,

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

23.0498, 32.8014, 24.1852

Protanopia

30.2835, 32.3949, 21.4863

Deuteranopia

32.9124, 32.2298, 25.2552



Tritanopia

27.3641, 32.6440, 45.9330

Trichromacy



Original Color

23.0498, 32.8014, 24.1852

Protanomaly

26.9455, 32.1604, 22.5567

Deuteranomaly

28.1137, 31.6988, 24.7154

Tritanomaly

25.6659, 32.7709, 36.8710

Monochromacy



Original Color

23.0498, 32.8014, 24.1852

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.5876, 29.0721, 27.6081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0498, 32.8014, 24.1852 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(98, 170, 124)` looks like.

```
.text, #text, p{  
    color:rgb(98, 170, 124)  
}
```

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(98, 170, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 170, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.0498, 32.8014, 24.1852 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(98, 170, 124) }
```


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

```
.border{ border-color:rgb(98, 170, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 170, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 170, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 170, 124);  
box-shadow:4px 4px 4px 4px rgb(98, 170,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0498, 32.8014, 24.1852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 170, 124) }
```

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

```
.background{ background-color: rgb(98, 170,  
124) }
```

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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