

Converting Colors

XYZ(23.8340, 30.4309, 32.2444)

Have a look what the booklet for
XYZ(23.8340, 30.4309, 32.2444)
contains.

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Color

**XYZ(23.7811, 30.3124,
32.2012)**

Conversions

Conversions Part 1

Format	Color
Hex	6AA093
RGB	106, 160, 147
RGB Percent	42%, 63%, 58%
CMY	0.5843, 0.3725, 0.4235
CMYK	0.34, 0.00, 0.08, 0.37
HSL	166°, 22%, 52%
HSV	166°, 34%, 63%
XYZ	23.7811, 30.3124, 32.2012
YIQ	142.3720, -28.0110, -15.4910

Conversions

Conversions Part 2

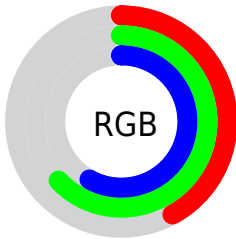
Format	Color
RYB	106, 137, 160
Decimal	6987923
CIELab	61.92, -20.81, 1.10
CIElCh	62, 20.838, 176.975
Yxy	30.3124, 0.2756, 0.3513
Android (android.graphics.Color)	4285178003 (0xFF6AA093)
YUV	142.3720, 2.2816, -31.8982
Hunter-Lab	55.0567, -19.2482, 3.8625

Details

The XYZ color **23.7811, 30.3124, 32.2012** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.9820, 19.1143, 19.9321**, and the grayscale version is **25.8584, 27.2050, 29.6263**.

A 20% lighter version of the original color is **49.1411, 60.1889, 64.2859**, and **9.0958, 12.4004, 13.2234** is the 20% darker color. If you saturate the color by 10%, you get **21.7571, 29.3041, 30.5552**, and if you desaturate by 10%, it is **26.1717, 31.5101, 33.9185**.

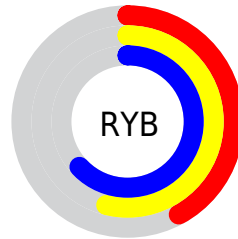
Distribution



Red (42%)

Green (63%)

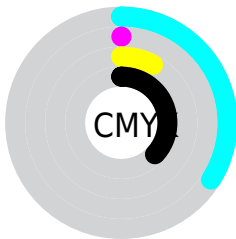
Blue (58%)



Red (42%)

Yellow (54%)

Blue (63%)

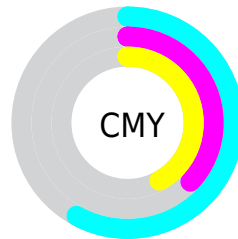


Cyan (34%)

Magenta (0%)

Yellow (8%)

Black (37%)



Cyan (58%)

Magenta (37%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7811, 30.3124, 32.2012 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 23.7811, 30.3124, 32.2012 by changing the saturation by 10% instead.

■ 23.7811, 30.3124,
32.2012

■ 23.7811, 30.3124,
32.2012

264.1730,
303.3579, 326.5557

■ 15.2952, 20.0758,
21.2491

■ 49.1300, 60.1559,
64.2279

■ 9.1145, 12.4502,
13.1132

■ 66.7237, 80.5316,
86.1397

■ 4.8736, 7.0510,
7.3749

■ 88.0841, 105.0557,
112.5418

■ 2.2073, 3.4940,
3.6157

■ 113.5765,
134.1128, 143.8527

■ 0.7466, 1.3948,
1.4170

143.5662,
168.0872, 180.4910

■ 0.0000, 0.2129,
0.1549

178.4186,

■ 0.0000, 0.0000,

207.3632, 222.8752

0.0000

218.4991,
252.3253, 271.4240

■ 23.7811, 30.3124,
32.2012

■ 23.7811, 30.3124,
32.2012

■ 21.7571, 29.3041,
30.5552

■ 26.1717, 31.5101,
33.9185

■ 20.0774, 28.4714,
28.9771

■ 28.9447, 32.9029,
35.7064

■ 18.7208, 27.8041,
27.4659

■ 32.1180, 34.5009,
37.5669

■ 17.6632, 27.2898,
26.0200

■ 35.7077, 36.3124,
39.5012

■ 16.8765, 26.9140,
24.6375

■ 39.7290, 38.3451,
41.5106

■ 16.3275, 26.6596,
23.3164

■ 44.1961, 40.6065,
43.5961

■ 16.0520, 26.5350,
22.5192

■ 49.1228, 43.1035,
45.7589

■ 54.5223, 45.8430,
48.0001

■ 60.4071, 48.8315,
50.3207

Harmonies

Analogous

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



24.5449, 30.3124, 25.3228



23.7811, 30.3124, 32.2012



24.2915, 30.3124, 40.4727

Triad

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



23.7811, 30.3124, 32.2012



31.3125, 30.3124, 48.6705



31.8334, 30.3124, 21.7309

Complementary

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



23.7811, 30.3124, 32.2012



22.9820, 19.1143, 19.9321

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.



33.8590, 30.3124, 26.5176



23.7811, 30.3124, 32.2012



33.5449, 30.3124, 42.1023

Square

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



23.7811, 30.3124, 32.2012



28.5290, 30.3124, 50.8388



34.5045, 30.3124, 33.8222



29.0949, 30.3124, 19.9219

Rectangle

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



23.7811, 30.3124, 32.2012



25.3049, 30.3124, 45.5531



34.5045, 30.3124, 33.8222



32.6269, 30.3124, 23.0030

Sweetspot

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



23.7820, 30.3136, 32.2019



54.5178, 60.7283, 66.0162



22.8498, 30.1409, 18.2496



11.7949, 13.2372, 14.3817



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.



23.7820, 30.3136, 32.2019



40.1729, 53.5389, 56.0531



22.6461, 26.3156, 37.1450



6.7535, 7.4822, 8.1366



12.5215, 20.6765, 17.6352



0.2391, 0.3758, 0.3956

Inverse Universe

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



22.9820, 19.1143, 19.9321



38.4865, 29.8415, 30.1214



23.7562, 21.8280, 16.5972



6.6953, 6.6710, 7.2465



11.5874, 5.9395, 2.0782



0.2221, 0.1122, 0.1157

Previews

White Background



This preview shows how the XYZ color 23.7811, 30.3124, 32.2012 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 23.7811, 30.3124, 32.2012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

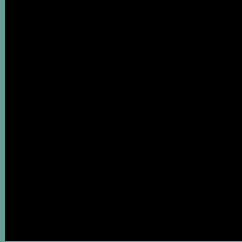
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.7811, 30.3124, 32.2012

Background



This preview shows how black text looks on a background with the XYZ color 23.7811, 30.3124, 32.2012.



This preview shows how white text looks on a background with the XYZ color 23.7811, 30.3124,

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

23.7811, 30.3124, 32.2012

Protanopia

28.7240, 29.9729, 29.4707

Deuteranopia

30.5825, 29.9351, 33.0203



Tritanopia

25.7739, 30.3580, 42.0374

Trichromacy



Original Color

23.7811, 30.3124, 32.2012

Protanomaly

26.5027, 29.7580, 30.3336

Deuteranomaly

27.4865, 29.7334, 32.7242

Tritanomaly

24.9666, 30.2781, 38.2466

Monochromacy



Original Color

23.7811, 30.3124, 32.2012

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.8347, 28.1756, 30.5151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7811, 30.3124, 32.2012 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(106, 160, 147)` looks like.

```
.text, #text, p{  
    color:rgb(106, 160, 147)  
}
```

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(106, 160, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 160, 147) }
```

Border

The CSS property to change the border of an element to XYZ 23.7811, 30.3124, 32.2012 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(106, 160, 147) }
```


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

```
.border{ border-color:rgb(106, 160, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 160, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 160, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 160, 147); box-shadow:4px 4px 4px 4px rgb(106, 160, 147) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7811, 30.3124, 32.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 160, 147) }
```

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

```
.background{ background-color: rgb(106,  
160, 147) }
```

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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