

Converting Colors

XYZ(23.8988, 33.7965, 24.4831)

Have a look what the booklet for
XYZ(23.8988, 33.7965, 24.4831)
contains.

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Color

**XYZ(23.8701, 33.7851,
24.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	66AC7C
RGB	102, 172, 124
RGB Percent	40%, 67%, 49%
CMY	0.6000, 0.3255, 0.5137
CMYK	0.41, 0.00, 0.28, 0.33
HSL	139°, 30%, 54%
HSV	139°, 41%, 67%
XYZ	23.8701, 33.7851, 24.3319
YIQ	145.5980, -26.3120, -29.7680

Conversions

Conversions Part 2

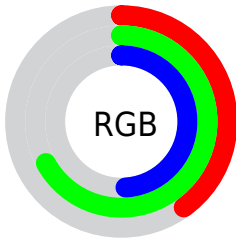
Format	Color
RYB	102, 155, 172
Decimal	6728828
CIELab	64.79, -32.78, 17.93
CIElCh	65, 37.364, 151.325
Yxy	33.7851, 0.2911, 0.4121
Android (android.graphics.Color)	4284918908 (0xFF66AC7C)
YUV	145.5980, -10.6478, -38.2354
Hunter-Lab	58.1250, -28.4143, 15.8679

Details

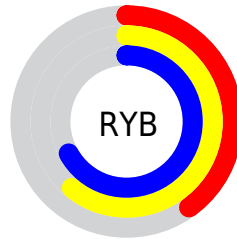
The XYZ color **23.8701, 33.7851, 24.3319** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.2707, 20.4761, 31.3703**, and the grayscale version is **27.2077, 28.6246, 31.1722**.

A 20% lighter version of the original color is **49.3895, 65.7290, 51.6788**, and **9.1334, 14.3546, 8.9459** is the 20% darker color. If you saturate the color by 10%, you get **21.4176, 32.6028, 20.5539**, and if you desaturate by 10%, it is **26.8181, 35.2144, 28.6003**.

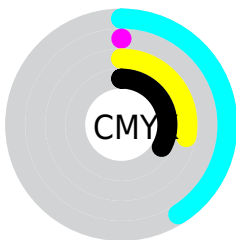
Distribution



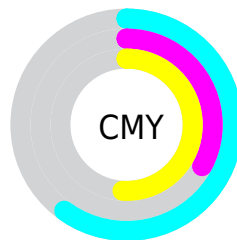
- Red (40%)
- Green (67%)
- Blue (49%)



- Red (40%)
- Yellow (61%)
- Blue (67%)



- Cyan (41%)
- Magenta (0%)
- Yellow (28%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8701, 33.7851, 24.3319 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 23.8701, 33.7851, 24.3319 by changing the saturation by 10% instead.

■ 23.8701, 33.7851,
24.3319

■ 23.8701, 33.7851,
24.3319

264.6158,
319.1728, 287.8346

■ 15.3615, 22.7286,
15.3655

■ 49.2744, 65.5993,
51.5219

■ 9.1615, 14.3932,
8.9269

■ 66.9007, 87.1258,
70.5826

■ 4.9046, 8.3946,
4.5973

■ 88.2971, 112.9111,
93.8451

■ 2.2256, 4.3485,
1.9584

■ 113.8287,
143.3395, 121.7281

■ 0.7562, 1.8704,
0.5295

143.8611,
178.7955, 154.6499

■ 0.0000, 0.5305,
0.0000

178.7595,

■ 0.0000, 0.0000,

219.6634, 193.0293

0.0000

218.8892,
266.3277, 237.2847

■ 23.8701, 33.7851,
24.3319

■ 23.8701, 33.7851,
24.3319

■ 21.4176, 32.6028,
20.5539

■ 26.8181, 35.2144,
28.6003

■ 19.4296, 31.6491,
17.2464

■ 30.2849, 36.8995,
33.3736

■ 17.8756, 30.9096,
14.3913


■ 34.2955, 38.8540,
38.6685


■ 16.7201, 30.3663,
11.9686


■ 38.8726, 41.0893,
44.5003


■ 15.9218, 29.9985,
9.9566


■ 44.0375, 43.6159,
50.8835

 15.4204, 29.7733,
8.4313

 49.8103, 46.4441,
57.8322

 56.2103, 49.5834,
65.3600

 63.2558, 53.0431,
73.4800

 70.2976, 56.4881,
82.1735

Harmonies

Analogous

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



27.0322, 33.7851, 16.8509



23.8701, 33.7851, 24.3319



22.8471, 33.7851, 37.4751

Triad

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



23.8701, 33.7851, 24.3319



32.3514, 33.7851, 75.0256



41.7751, 33.7851, 23.4427

Complementary

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



23.8701, 33.7851, 24.3319



27.2707, 20.4761, 31.3703

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.



43.5931, 33.7851, 36.1058



23.8701, 33.7851, 24.3319



37.7908, 33.7851, 68.3097

Square

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



23.8701, 33.7851, 24.3319



27.4030, 33.7851, 69.3493



42.0607, 33.7851, 52.8969



37.3311, 33.7851, 16.4473

Rectangle

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



23.8701, 33.7851, 24.3319



23.4136, 33.7851, 48.6356



42.0607, 33.7851, 52.8969



42.7346, 33.7851, 27.0371

Sweetspot

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



23.8710, 33.7865, 24.3327



61.0457, 69.9138, 68.6284



29.9145, 37.0453, 18.1444



13.0621, 15.0941, 14.6474



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.



23.8710, 33.7865, 24.3327



39.1856, 59.3038, 37.8159



26.4046, 34.7999, 37.6745



8.0043, 8.9793, 9.0478



11.4971, 22.1641, 6.3916



0.3449, 0.6266, 0.3099

Inverse Universe

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



27.2707, 20.4761, 31.3703



46.2092, 31.7571, 52.3193



24.9180, 19.5350, 18.9808



8.2283, 8.1046, 9.5131



15.1172, 7.5094, 13.5284



0.4438, 0.2182, 0.4987

Previews

White Background



This preview shows how the XYZ color 23.8701, 33.7851, 24.3319 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 23.8701, 33.7851, 24.3319 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 23.8701, 33.7851, 24.3319

Background



This preview shows how black text looks on a background with the XYZ color 23.8701, 33.7851, 24.3319.



This preview shows how white text looks on a background with the XYZ color 23.8701, 33.7851,

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

23.8701, 33.7851, 24.3319

Protanopia

31.2478, 33.3861, 21.6269

Deuteranopia

33.9248, 33.2214, 25.3932



Tritanopia

28.4304, 33.7020, 47.1262

Trichromacy



Original Color

23.8701, 33.7851, 24.3319

Protanomaly

27.8121, 33.1260, 22.6974

Deuteranomaly

29.0065, 32.6614, 24.8542

Tritanomaly

26.6046, 33.7889, 37.4674

Monochromacy



Original Color

23.8701, 33.7851, 24.3319

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.5147, 30.0235, 28.4951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8701, 33.7851, 24.3319 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(102, 172, 124)` looks like.

```
.text, #text, p{  
    color:rgb(102, 172, 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(102, 172, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 172, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.8701, 33.7851, 24.3319 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(102, 172, 124) }
```


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

```
.border{ border-color:rgb(102, 172, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 172, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 172, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 172, 124);  
box-shadow:4px 4px 4px 4px rgb(102, 172,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8701, 33.7851, 24.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 172, 124) }
```

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

```
.background{ background-color: rgb(102,  
172, 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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