

Converting Colors

XYZ(23.0718, 33.0326, 23.9341)

Have a look what the booklet for
XYZ(23.0718, 33.0326, 23.9341)
contains.

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Color

**XYZ(23.0678, 33.0973,
23.9115)**

Conversions

Conversions Part 1

Format	Color
Hex	61AB7B
RGB	97, 171, 123
RGB Percent	38%, 67%, 48%
CMY	0.6196, 0.3294, 0.5176
CMYK	0.43, 0.00, 0.28, 0.33
HSL	141°, 31%, 53%
HSV	141°, 43%, 67%
XYZ	23.0678, 33.0973, 23.9115
YIQ	143.4020, -28.6960, -30.6160

Conversions

Conversions Part 2

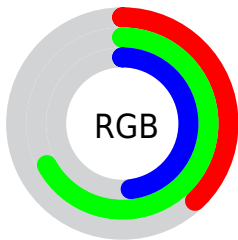
Format	Color
RYB	97, 152, 171
Decimal	6400891
CIELab	64.24, -33.98, 17.68
CIELCh	64, 38.301, 152.510
Yxy	33.0973, 0.2881, 0.4133
Android (android.graphics.Color)	4284590971 (0xFF61AB7B)
YUV	143.4020, -10.0582, -40.6946
Hunter-Lab	57.5303, -29.1051, 15.6283

Details

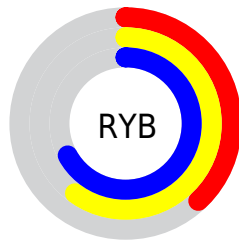
The XYZ color **23.0678, 33.0973, 23.9115** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.1812, 19.2523, 29.1253**, and the grayscale version is **26.3171, 27.6876, 30.1518**.

A 20% lighter version of the original color is **48.0681, 64.6521, 51.0199**, and **8.7107, 13.9649, 8.7150** is the 20% darker color. If you saturate the color by 10%, you get **20.7830, 31.9961, 20.3833**, and if you desaturate by 10%, it is **25.8258, 34.4352, 27.8740**.

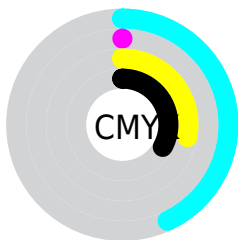
Distribution



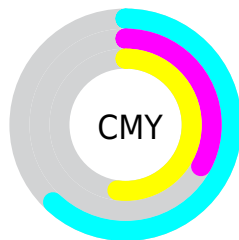
- Red (38%)
- Green (67%)
- Blue (48%)



- Red (38%)
- Yellow (60%)
- Blue (67%)



- Cyan (43%)
- Magenta (0%)
- Yellow (28%)
- Black (33%)



- Cyan (62%)
- Magenta (33%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0678, 33.0973, 23.9115 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 23.0678, 33.0973, 23.9115 by changing the saturation by 10% instead.

■ 23.0678, 33.0973,
23.9115

■ 23.0678, 33.0973,
23.9115

260.6019,
316.0879, 285.6449

■ 14.7645, 22.2010,
15.0564

■ 47.9705, 64.5274,
50.8278

■ 8.7395, 14.0047,
8.7119

■ 65.3006, 85.8300,
69.7260

■ 4.6274, 8.1239,
4.4595

■ 86.3704, 111.3701,
92.8090

■ 2.0629, 4.1743,
1.8807

■ 111.5452,
141.5322, 120.4954

■ 0.6689, 1.7716,
0.4804

141.1904,
176.7007, 153.2036

■ 0.0000, 0.4694,
0.0000

175.6714,

■ 0.0000, 0.0000,

217.2598, 191.3522

0.0000

215.3534,
263.5941, 235.3598

■ 23.0678, 33.0973,
23.9115

■ 23.0678, 33.0973,
23.9115

■ 20.7830, 31.9961,
20.3833

■ 25.8258, 34.4352,
27.8740

■ 18.9407, 31.1133,
17.2722

■ 29.0801, 36.0186,
32.2829

■ 17.5106, 30.4345,
14.5632


■ 32.8553, 37.8610,
37.1523


■ 16.4570, 29.9417,
12.2392


■ 37.1738, 39.9734,
42.4953


■ 15.7377, 29.6135,
10.2822


■ 42.0563, 42.3665,
48.3243

 15.3813, 29.4542,
9.1609

 47.5227, 45.0501,
54.6512

 53.5918, 48.0339,
61.4876

 60.2816, 51.3266,
68.8446

 67.6092, 54.9371,
76.7332

Harmonies

Analogous

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



26.1687, 33.0973, 16.2306



23.0678, 33.0973, 23.9115



22.1294, 33.0973, 37.3640

Triad

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



23.0678, 33.0973, 23.9115



31.9179, 33.0973, 74.9734



41.1202, 33.0973, 22.2257

Complementary

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



23.0678, 33.0973, 23.9115



26.1812, 19.2523, 29.1253

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.



43.0969, 33.0973, 34.7425



23.0678, 33.0973, 23.9115



37.4159, 33.0973, 67.6303

Square

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



23.0678, 33.0973, 23.9115



26.8761, 33.0973, 69.6441



41.6697, 33.0973, 51.6945



36.5330, 33.0973, 15.4726

Rectangle

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



23.0678, 33.0973, 23.9115



22.7571, 33.0973, 48.7538



41.6697, 33.0973, 51.6945



42.1344, 33.0973, 25.7500

Sweetspot

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



23.0687, 33.0987, 23.9122



58.8727, 67.8202, 66.5767



28.4164, 36.0193, 16.7642



12.7851, 14.9562, 14.4110



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.



23.0687, 33.0987, 23.9122



37.3515, 57.3643, 36.7159



25.8301, 34.2032, 38.4538



8.0164, 8.9841, 9.1112



11.6177, 22.2123, 7.0264



0.3496, 0.6285, 0.3344

Inverse Universe

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



26.1812, 19.2523, 29.1253



43.6559, 29.2641, 47.2348



23.7823, 18.2927, 16.4930



8.2158, 8.0995, 9.4469



14.8459, 7.4009, 12.1000



0.4376, 0.2157, 0.4663

Previews

White Background



This preview shows how the XYZ color 23.0678, 33.0973, 23.9115 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 23.0678, 33.0973, 23.9115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

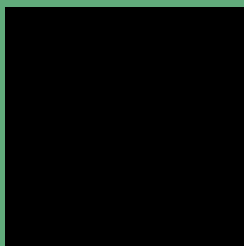
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.0678, 33.0973, 23.9115

Background



This preview shows how black text looks on a background with the XYZ color 23.0678, 33.0973, 23.9115.



This preview shows how white text looks on a background with the XYZ color 23.0678, 33.0973,

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

23.0678, 33.0973, 23.9115

Protanopia

30.5996, 32.8106, 21.2433

Deuteranopia

33.2341, 32.6371, 24.9700



Tritanopia

27.6417, 33.0402, 46.5155

Trichromacy



Original Color

23.0678, 33.0973, 23.9115

Protanomaly

27.0591, 32.4844, 22.2967

Deuteranomaly

28.2173, 32.0099, 24.4300

Tritanomaly

25.7302, 33.0750, 36.9263

Monochromacy



Original Color

23.0678, 33.0973, 23.9115

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.4394, 28.9957, 27.6012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0678, 33.0973, 23.9115 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(97, 171, 123)` looks like.

```
.text, #text, p{  
    color:rgb(97, 171, 123)  
}
```

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(97, 171, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 171, 123) }
```

Border

The CSS property to change the border of an element to XYZ 23.0678, 33.0973, 23.9115 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(97, 171, 123) }
```


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

```
.border{ border-color:rgb(97, 171, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 171, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 171, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 171, 123);  
box-shadow:4px 4px 4px 4px rgb(97, 171,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0678, 33.0973, 23.9115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 171, 123) }
```

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

```
.background{ background-color: rgb(97, 171,  
123) }
```

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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