

Converting Colors

XYZ(23.2794, 23.6699, 19.9270)

Have a look what the booklet for
XYZ(23.2794, 23.6699, 19.9270)
contains.

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Color

**XYZ(23.3013, 23.6966,
19.8688)**

Conversions

Conversions Part 1

Format	Color
Hex	938374
RGB	147, 131, 116
RGB Percent	58%, 51%, 45%
CMY	0.4235, 0.4863, 0.5451
CMYK	0.00, 0.11, 0.21, 0.42
HSL	29°, 13%, 52%
HSV	29°, 21%, 58%
XYZ	23.3013, 23.6966, 19.8688
YIQ	134.0740, 14.3510, -1.2730

Conversions

Conversions Part 2

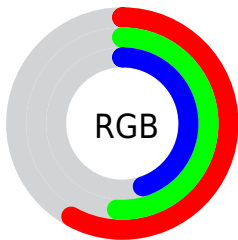
Format	Color
R_{YB}	147, 145, 116
Decimal	9667444
CIE _{Lab}	55.78, 3.52, 10.32
CIE _{LCh}	56, 10.908, 71.151
Yxy	23.6966, 0.3485, 0.3544
Android (android.graphics.Color)	4287857524 (0xFF938374)
YUV	134.0740, -8.9105, 11.3361
Hunter-Lab	48.6792, 0.2543, 9.8757

Details

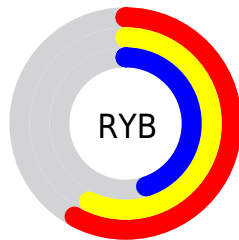
The XYZ color **23.3013, 23.6966, 19.8688** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.7200, 22.3216, 30.8203**, and the grayscale version is **22.7157, 23.8987, 26.0257**.

A 20% lighter version of the original color is **48.2958, 49.5256, 44.0597**, and **8.8846, 8.9387, 6.7259** is the 20% darker color. If you saturate the color by 10%, you get **21.5314, 21.4185, 15.3888**, and if you desaturate by 10%, it is **25.2825, 26.1802, 25.0874**.

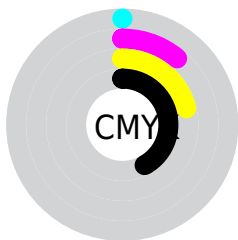
Distribution



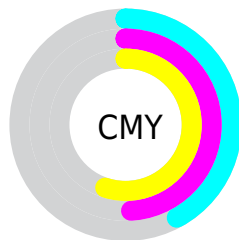
- Red (58%)
- Green (51%)
- Blue (45%)



- Red (58%)
- Yellow (57%)
- Blue (45%)



- Cyan (0%)
- Magenta (11%)
- Yellow (21%)
- Black (42%)



- Cyan (42%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3013, 23.6966, 19.8688 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 23.3013, 23.6966, 19.8688 by changing the saturation by 10% instead.

■ 23.3013, 23.6966,
19.8688

■ 23.3013, 23.6966,
19.8688

261.7753,
271.2830, 263.7847

■ 14.9381, 15.1087,
12.1166

■ 48.3506, 49.5346,
44.0532

■ 8.8620, 8.8957,
6.6996

■ 65.7674, 67.5536,
61.3224

■ 4.7076, 4.6732,
3.1994

■ 86.9327, 89.4850,
82.6011

■ 2.1097, 2.0568,
1.1973

112.2120,
115.7133, 108.3077

■ 0.6945, 0.6402,
0.0000

141.9705,
146.6228, 138.8609

■ 0.0000, 0.0000,
0.0000

176.5737,

182.5980, 174.6790

216.3868,
224.0233, 216.1808

■ 23.3013, 23.6966,
19.8688

■ 23.3013, 23.6966,
19.8688

■ 21.5314, 21.4185,
15.3888

■ 25.2825, 26.1802,
25.0874

■ 19.9628, 19.3369,
11.6118

■ 27.4804, 28.8716,
31.0749

■ 18.5878, 17.4469,
8.5019

■ 29.9029, 31.7770,
37.8617

■ 17.3971, 15.7422,
6.0189

■ 32.5565, 34.9014,
45.4759

■ 16.3806, 14.2158,
4.1184

■ 35.4478, 38.2497,
53.9445

■ 15.5271, 12.8604,
2.7501

■ 38.5830, 41.8265,
63.2932

■ 14.8236, 11.6676,
1.8550

■ 41.9678, 45.6363,
73.5465

■ 14.2951, 10.7279,
1.3172

■ 45.6082, 49.6836,
84.7280

■ 49.5095, 53.9725,
96.8606

Harmonies

Analogous

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



24.3646, 23.6966, 21.5676



23.3013, 23.6966, 19.8688



22.0653, 23.6966, 19.6703

Triad

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



23.3013, 23.6966, 19.8688



20.2657, 23.6966, 27.1436



24.1271, 23.6966, 31.2870

Complementary

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



23.3013, 23.6966, 19.8688



20.7200, 22.3216, 30.8203

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.



22.9867, 23.6966, 33.0904



23.3013, 23.6966, 19.8688



20.7764, 23.6966, 30.5563

Square

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



23.3013, 23.6966, 19.8688



20.3429, 23.6966, 23.6597



21.7620, 23.6966, 32.8114



24.8533, 23.6966, 28.0690

Rectangle

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



23.3013, 23.6966, 19.8688



21.3130, 23.6966, 20.3924



21.7620, 23.6966, 32.8114



23.7778, 23.6966, 32.0915

Sweetspot

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



23.3019, 23.6977, 19.8693



47.1819, 49.2305, 50.0756



22.4442, 20.3605, 24.5831



10.7191, 11.1751, 11.2911



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.3019, 23.6977, 19.8693



40.2813, 40.5881, 31.8719



25.5387, 28.1713, 20.6149



6.0186, 6.2509, 6.1298



12.4176, 9.3497, 1.1502



0.1813, 0.1730, 0.0238

Inverse Universe

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



20.7200, 22.3216, 30.8203



34.8581, 37.6973, 54.8737



18.7743, 18.4302, 30.1717



5.7321, 6.0982, 7.3447



6.8226, 6.3401, 24.7952



0.1130, 0.1366, 0.3133

Previews

White Background



This preview shows how the XYZ color 23.3013, 23.6966, 19.8688 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3013, 23.6966, 19.8688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

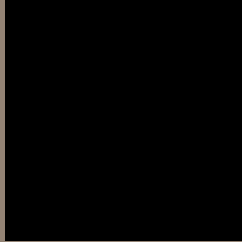
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3013, 23.6966, 19.8688

Background



This preview shows how black text looks on a background with the XYZ color 23.3013, 23.6966, 19.8688.



This preview shows how white text looks on a background with the XYZ color 23.3013, 23.6966,

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

23.3013, 23.6966, 19.8688

Protanopia

22.4136, 23.6349, 20.2103

Deuteranopia

24.1395, 23.7338, 19.8318



Tritanopia

24.8843, 23.7574, 27.3188

Trichromacy



Original Color

23.3013, 23.6966, 19.8688

Protanomaly

22.7898, 23.6265, 20.1888

Deuteranomaly

23.8975, 23.8055, 19.8584

Tritanomaly

24.2739, 23.7018, 24.4146

Monochromacy



Original Color

23.3013, 23.6966, 19.8688

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8658, 23.7963, 23.4667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3013, 23.6966, 19.8688 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(147, 131, 116)` looks like.

```
.text, #text, p{  
    color:rgb(147, 131, 116)  
}
```

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(147, 131, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 131, 116) }
```

Border

The CSS property to change the border of an element to XYZ 23.3013, 23.6966, 19.8688 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(147, 131, 116) }
```


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

```
.border{ border-color:rgb(147, 131, 116) }
```

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

Here you see how a box with a 4 pixel rgb(147, 131, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 131, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 131, 116);  
box-shadow:4px 4px 4px 4px rgb(147, 131,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3013, 23.6966, 19.8688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 131, 116) }
```

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

```
.background{ background-color: rgb(147,  
131, 116) }
```

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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