

Converting Colors

XYZ(23.3931, 27.9080, 38.8982)

Have a look what the booklet for
XYZ(23.3931, 27.9080, 38.8982)
contains.

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Color

**XYZ(23.4326, 27.9844,
38.8168)**

Conversions

Conversions Part 1

Format	Color
Hex	6798A3
RGB	103, 152, 163
RGB Percent	40%, 60%, 64%
CMY	0.5961, 0.4039, 0.3608
CMYK	0.37, 0.07, 0.00, 0.36
HSL	191°, 25%, 52%
HSV	191°, 37%, 64%
XYZ	23.4326, 27.9844, 38.8168
YIQ	138.6030, -32.7350, -6.9670

Conversions

Conversions Part 2

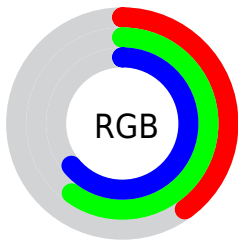
Format	Color
R_{YB}	103, 130, 163
Decimal	6789283
CIE _{Lab}	59.87, -13.53, -10.99
CIE _{LCh}	60, 17.432, 219.105
Y _{xy}	27.9844, 0.2597, 0.3101
Android (android.graphics.Color)	4284979363 (0xFF6798A3)
YUV	138.6030, 12.0277, -31.2238
Hunter-Lab	52.9003, -13.5075, -6.4752

Details

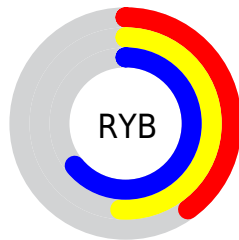
The XYZ color **23.4326, 27.9844, 38.8168** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.5701, 20.8007, 15.6053**, and the grayscale version is **24.3531, 25.6213, 27.9016**.

A 20% lighter version of the original color is **48.4365, 56.2725, 74.6385**, and **8.9391, 11.1851, 16.7267** is the 20% darker color. If you saturate the color by 10%, you get **21.2635, 26.1560, 38.5787**, and if you desaturate by 10%, it is **25.9801, 30.0274, 39.0773**.

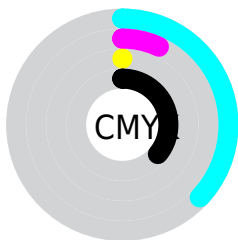
Distribution



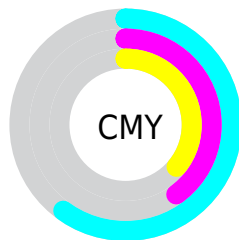
- Red (40%)
- Green (60%)
- Blue (64%)



- Red (40%)
- Yellow (51%)
- Blue (64%)



- Cyan (37%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)



- Cyan (60%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4326, 27.9844, 38.8168 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 23.4326, 27.9844, 38.8168 by changing the saturation by 10% instead.

■ 23.4326, 27.9844,
38.8168

■ 23.4326, 27.9844,
38.8168

262.4332,
292.3924, 356.5137

■ 15.0357, 18.3139,
26.3105

■ 48.5641, 56.4595,
74.5756

■ 8.9309, 11.1756,
16.8282

■ 66.0295, 76.0330,
98.6652

■ 4.7529, 6.1851,
9.9514

■ 87.2484, 99.6761,
127.4530

■ 2.1363, 2.9579,
5.2616

■ 112.5861,
127.7735, 161.3575

■ 0.7088, 1.1098,
2.3401

142.4082,
160.7094, 200.7973

■ 0.0000, 0.0000,
0.7536

177.0798,

■ 0.0000, 0.0000,

198.8682, 246.1909

0.0000

216.9664,
242.6344, 297.9568

■ 23.4326, 27.9844,
38.8168

■ 23.4326, 27.9844,
38.8168

■ 21.2635, 26.1560,
38.5787

■ 25.9801, 30.0274,
39.0773

■ 19.4489, 24.5276,
38.3600

■ 28.9231, 32.2919,
39.3593

■ 17.9661, 23.0882,
38.1603

■ 32.2807, 34.7885,
39.6643

■ 16.7886, 21.8239,
37.9784

■ 36.0699, 37.5261,
39.9930

■ 15.8856, 20.7187,
37.8126

■ 40.3070, 40.5133,
40.3462

■ 15.2116, 19.7490,
37.6610

■ 45.0071, 43.7579,
40.7248

■ 15.0152, 19.4529,
37.6142

■ 50.1848, 47.2677,
41.1293

■ 55.8539, 51.0498,
41.5606

■ 62.0279, 55.1113,
42.0191

Harmonies

Analogous

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



22.6160, 27.9844, 32.4387



23.4326, 27.9844, 38.8168



25.1101, 27.9844, 43.3251

Triad

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



23.4326, 27.9844, 38.8168



30.7728, 27.9844, 35.0243



25.9310, 27.9844, 19.9562

Complementary

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



23.4326, 27.9844, 38.8168



23.5701, 20.8007, 15.6053

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.



28.1442, 27.9844, 20.4486



23.4326, 27.9844, 38.8168



31.0227, 27.9844, 28.5831

Square

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



23.4326, 27.9844, 38.8168



29.3721, 27.9844, 40.9333



30.0371, 27.9844, 23.4151



24.0049, 27.9844, 21.9619

Rectangle

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



23.4326, 27.9844, 38.8168



26.5319, 27.9844, 44.3440



30.0371, 27.9844, 23.4151



26.6648, 27.9844, 19.8418

Sweetspot

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



23.4334, 27.9855, 38.8174



55.0751, 60.2852, 70.7896



21.6719, 30.2707, 20.3240



12.1969, 13.4113, 15.8833



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.4334, 27.9855, 38.8174



38.8031, 47.4662, 69.1729



19.2879, 19.6945, 37.4356



7.1652, 7.7894, 9.0289



11.6998, 15.1791, 29.2430



0.2729, 0.3730, 0.6235

Inverse Universe

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



25.6227, 19.7547, 32.1696



43.3937, 30.9469, 55.0671



27.3754, 28.4113, 16.8737



7.3084, 7.1798, 8.6103



15.0510, 7.3765, 17.9910



0.3299, 0.1605, 0.4499

Previews

White Background



This preview shows how the XYZ color 23.4326, 27.9844, 38.8168 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 23.4326, 27.9844, 38.8168 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 23.4326, 27.9844, 38.8168

Background



This preview shows how black text looks on a background with the XYZ color 23.4326, 27.9844, 38.8168.



This preview shows how white text looks on a background with the XYZ color 23.4326, 27.9844,

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

23.4326, 27.9844, 38.8168

Protanopia

27.0636, 27.8300, 35.8436

Deuteranopia

28.2936, 27.7124, 39.9342



Tritanopia

23.5226, 28.0204, 39.2907

Trichromacy



Original Color

23.4326, 27.9844, 38.8168

Protanomaly

25.4390, 27.6502, 36.7971

Deuteranomaly

26.1249, 27.4884, 39.5262

Tritanomaly

23.5226, 28.0204, 39.2907

Monochromacy



Original Color

23.4326, 27.9844, 38.8168

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.9227, 26.5203, 31.8750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4326, 27.9844, 38.8168 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(103, 152, 163)` looks like.

```
.text, #text, p{  
    color:rgb(103, 152, 163)  
}
```

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(103, 152, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 152, 163) }
```

Border

The CSS property to change the border of an element to XYZ 23.4326, 27.9844, 38.8168 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(103, 152, 163) }
```


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

```
.border{ border-color:rgb(103, 152, 163) }
```

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

Here you see how a box with a 4 pixel rgb(103, 152, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 152, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 152, 163);  
box-shadow:4px 4px 4px 4px rgb(103, 152,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4326, 27.9844, 38.8168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 152, 163) }
```

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

```
.background{ background-color: rgb(103,  
152, 163) }
```

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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