

Converting Colors

XYZ(23.3358, 24.0667, 38.1598)

Have a look what the booklet for
XYZ(23.3358, 24.0667, 38.1598)
contains.

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Color

**XYZ(23.3009, 24.1099,
38.0759)**

Conversions

Conversions Part 1

Format	Color
Hex	7A87A3
RGB	122, 135, 163
RGB Percent	48%, 53%, 64%
CMY	0.5216, 0.4706, 0.3608
CMYK	0.25, 0.17, 0.00, 0.36
HSL	221°, 18%, 56%
HSV	221°, 25%, 64%
XYZ	23.3009, 24.1099, 38.0759
YIQ	134.3050, -16.7360, 5.9520

Conversions

Conversions Part 2

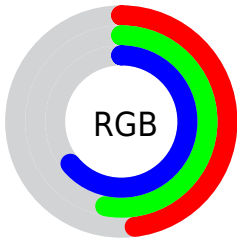
Format	Color
R_{YB}	122, 132, 163
Decimal	8030115
CIE _{Lab}	56.20, 1.73, -16.43
CIE _{LCh}	56, 16.518, 276.025
Yxy	24.1099, 0.2726, 0.2820
Android (android.graphics.Color)	4286220195 (0xFF7A87A3)
YUV	134.3050, 14.1466, -10.7915
Hunter-Lab	49.1018, -1.2224, -11.6050

Details

The XYZ color **23.3009, 24.1099, 38.0759** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.5238, 31.0045, 22.8414**, and the grayscale version is **22.7268, 23.9103, 26.0384**.

A 20% lighter version of the original color is **48.3173, 50.1424, 73.4615**, and **8.7902, 9.0224, 16.3171** is the 20% darker color. If you saturate the color by 10%, you get **19.7110, 20.0735, 37.4864**, and if you desaturate by 10%, it is **27.4418, 28.6726, 38.7387**.

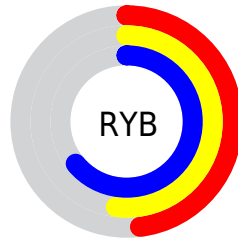
Distribution



Red (48%)

Green (53%)

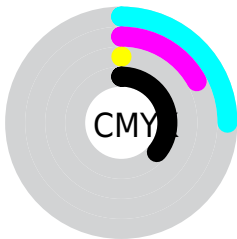
Blue (64%)



Red (48%)

Yellow (52%)

Blue (64%)

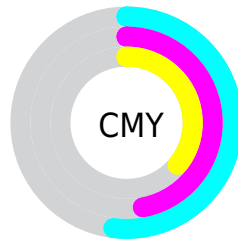


Cyan (25%)

Magenta (17%)

Yellow (0%)

Black (36%)



Cyan (52%)

Magenta (47%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3009, 24.1099, 38.0759 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 23.3009, 24.1099, 38.0759 by changing the saturation by 10% instead.

■ 23.3009, 24.1099,
38.0759

■ 23.3009, 24.1099,
38.0759

261.7733,
273.3756, 353.2534

■ 14.9378, 15.4152,
25.7393

■ 48.3500, 50.2095,
73.4292

■ 8.8617, 9.1113,
16.4047

■ 65.7666, 68.3831,
97.2829

■ 4.7075, 4.8138,
9.6535

■ 86.9318, 90.4852,
125.8128

■ 2.1097, 2.1384,
5.0673

112.2109,
116.9001, 159.4374

■ 0.6945, 0.6861,
2.2274

141.9692,
148.0121, 198.5752

■ 0.0000, 0.0000,
0.6901

176.5721,

■ 0.0000, 0.0000,

184.2058, 243.6448

0.0000

216.3851,
225.8655, 295.0647

■ 23.3009, 24.1099,
38.0759

■ 23.3009, 24.1099,
38.0759

■ 19.7110, 20.0735,
37.4864

■ 27.4418, 28.6726,
38.7387

■ 16.6456, 16.5406,
36.9660

■ 32.1542, 33.7775,
39.4757

■ 14.0794, 13.4909,
36.5127

■ 37.4603, 39.4433,
40.2897

■ 11.9836, 10.9016,
36.1233

■ 43.3802, 45.6870,
41.1828

■ 10.3267, 8.7477,
35.7949

■ 49.9332, 52.5247,
42.1572

■ 9.0726, 7.0014,
35.5239

■ 57.1379, 59.9721,
43.2150

■ 8.1771, 5.6299,
35.3064

■ 65.0117, 68.0440,
44.3580

■ 7.8250, 5.0726,
35.2174

■ 73.5718, 76.7550,
45.5883

■ 77.6121, 83.4267,
46.6631

Harmonies

Analogous

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



21.4648, 24.1099, 37.0048



23.3009, 24.1099, 38.0759



25.1295, 24.1099, 35.6428

Triad

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



23.3009, 24.1099, 38.0759



25.9953, 24.1099, 20.5725



19.7407, 24.1099, 22.2301

Complementary

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



23.3009, 24.1099, 38.0759



29.5238, 31.0045, 22.8414

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.



20.8359, 24.1099, 18.6744



23.3009, 24.1099, 38.0759



24.4306, 24.1099, 17.8138

Square

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



23.3009, 24.1099, 38.0759



26.7394, 24.1099, 25.1698



22.5348, 24.1099, 17.1701



19.4751, 24.1099, 27.3639

Rectangle

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



23.3009, 24.1099, 38.0759



26.0769, 24.1099, 32.5352



22.5348, 24.1099, 17.1701



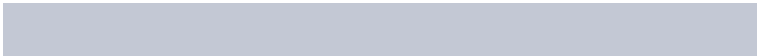
20.0210, 24.1099, 20.8340

Sweetspot

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



23.3017, 24.1109, 38.0765



54.9469, 57.6493, 70.2875



26.5753, 32.5130, 33.4490



12.0608, 12.6450, 15.7426



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.



23.3017, 24.1109, 38.0765



38.1365, 39.1584, 67.6044



22.5990, 21.2182, 37.5551



6.8753, 7.2095, 8.9323



6.1184, 4.0162, 27.3825



0.1694, 0.1661, 0.5890

Inverse Universe

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



26.4376, 23.4556, 26.0567



44.7597, 38.0115, 42.1652



30.3531, 34.6845, 23.5081



7.1620, 7.1213, 7.8396



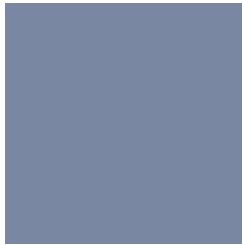
12.2338, 6.2496, 3.1557



0.2777, 0.1396, 0.1748

Previews

White Background



This preview shows how the XYZ color 23.3009, 24.1099, 38.0759 looks on a white background.

Color Contrast Check

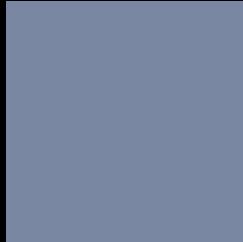
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3009, 24.1099, 38.0759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

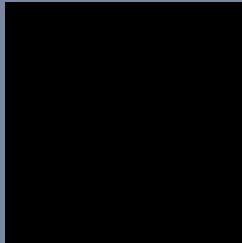
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3009, 24.1099, 38.0759

Background



This preview shows how black text looks on a background with the XYZ color 23.3009, 24.1099, 38.0759.



This preview shows how white text looks on a background with the XYZ color 23.3009, 24.1099,

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

23.3009, 24.1099, 38.0759

Protanopia

23.8112, 23.9729, 37.5547

Deuteranopia

24.6250, 24.1694, 38.4892



Tritanopia

22.0415, 24.2370, 31.5335

Trichromacy



Original Color

23.3009, 24.1099, 38.0759

Protanomaly

23.6509, 24.0944, 37.5866

Deuteranomaly

24.1416, 24.1225, 38.5057

Tritanomaly

22.4412, 24.1843, 33.6223

Monochromacy



Original Color

23.3009, 24.1099, 38.0759

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8419, 23.8404, 30.1858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3009, 24.1099, 38.0759 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(122, 135, 163)` looks like.

```
.text, #text, p{  
    color:rgb(122, 135, 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(122, 135, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 135, 163) }
```

Border

The CSS property to change the border of an element to XYZ 23.3009, 24.1099, 38.0759 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(122, 135, 163) }
```


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

```
.border{ border-color:rgb(122, 135, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 135, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 135, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 135, 163);  
box-shadow:4px 4px 4px 4px rgb(122, 135,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3009, 24.1099, 38.0759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 135, 163) }
```

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

```
.background{ background-color: rgb(122,  
135, 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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