

Converting Colors

XYZ(23.8376, 23.9652, 38.1144)

Have a look what the booklet for
XYZ(23.8376, 23.9652, 38.1144)
contains.

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Color

**XYZ(23.9005, 24.0086,
38.0248)**

Conversions

Conversions Part 1

Format	Color
Hex	8085A3
RGB	128, 133, 163
RGB Percent	50%, 52%, 64%
CMY	0.4980, 0.4784, 0.3608
CMYK	0.21, 0.18, 0.00, 0.36
HSL	231°, 16%, 57%
HSV	231°, 21%, 64%
XYZ	23.9005, 24.0086, 38.0248
YIQ	134.9250, -12.6100, 8.2700

Conversions

Conversions Part 2

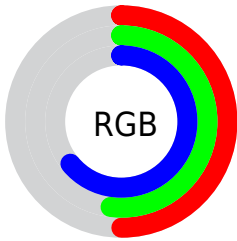
Format	Color
R_{YB}	128, 132, 163
Decimal	8422819
CIE _{Lab}	56.10, 4.83, -16.54
CIE _{LCh}	56, 17.229, 286.287
Yxy	24.0086, 0.2781, 0.2794
Android (android.graphics.Color)	4286612899 (0xFF8085A3)
YUV	134.9250, 13.8410, -6.0732
Hunter-Lab	48.9986, 1.3211, -11.7123

Details

The XYZ color **23.9005, 24.0086, 38.0248** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **31.2277, 33.7989, 25.3007**, and the grayscale version is **22.9556, 24.1511, 26.3005**.

A 20% lighter version of the original color is **49.2699, 50.0035, 73.3845**, and **9.1815, 9.1080, 16.3130** is the 20% darker color. If you saturate the color by 10%, you get **19.8558, 19.2708, 37.3239**, and if you desaturate by 10%, it is **28.5950, 29.4602, 38.8300**.

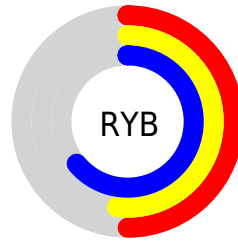
Distribution



Red (50%)

Green (52%)

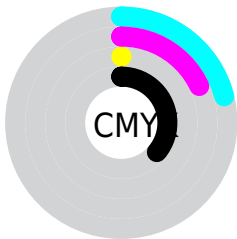
Blue (64%)



Red (50%)

Yellow (52%)

Blue (64%)

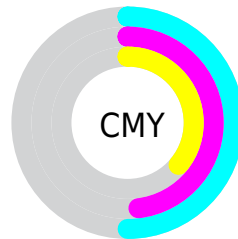


Cyan (21%)

Magenta (18%)

Yellow (0%)

Black (36%)



Cyan (50%)

Magenta (48%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9005, 24.0086, 38.0248 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 23.9005, 24.0086, 38.0248 by changing the saturation by 10% instead.

■ 23.9005, 24.0086,
38.0248

■ 23.9005, 24.0086,
38.0248

264.7669,
272.8640, 353.0277

■ 15.3842, 15.3400,
25.7000

■ 49.3236, 50.0442,
73.3500

■ 9.1775, 9.0584,
16.3756

■ 66.9612, 68.1801,
97.1874

■ 4.9152, 4.7793,
9.6331

■ 88.3698, 90.2404,
125.6995

■ 2.2318, 2.1183,
5.0540

113.9149,
116.6097, 159.3047

■ 0.7594, 0.6749,
2.2197

143.9617,
147.6723, 198.4215

■ 0.0000, 0.0000,
0.6857

178.8758,

■ 0.0000, 0.0000,

183.8126, 243.4686

0.0000

219.0224,
225.4150, 294.8645

■ 23.9005, 24.0086,
38.0248

■ 23.9005, 24.0086,
38.0248

■ 19.8558, 19.2708,
37.3239

■ 28.5950, 29.4602,
38.8300

■ 16.4299, 15.2144,
36.7215

■ 33.9641, 35.6507,
39.7419

■ 13.5926, 11.8085,
36.2136

■ 40.0338, 42.6072,
40.7648

■ 11.3104, 9.0190,
35.7955

■ 46.8282, 50.3550,
41.9021

■ 9.5461, 6.8083,
35.4618

■ 54.3702, 58.9179,
43.1574

■ 8.2580, 5.1349,
35.2067

■ 62.6819, 68.3188,
44.5339

■ 7.3976, 3.9512,
35.0235

■ 71.7841, 78.5797,
46.0347

■ 6.9231, 3.2688,
34.9168

■ 80.4341, 89.0707,
47.6038

■ 83.6109, 95.4244,
48.6627

Harmonies

Analogous

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



21.9314, 24.0086, 38.1872



23.9005, 24.0086, 38.0248



25.6743, 24.0086, 34.3955

Triad

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



23.9005, 24.0086, 38.0248



25.5441, 24.0086, 19.0453



19.3272, 24.0086, 23.6481

Complementary

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



23.9005, 24.0086, 38.0248



31.2277, 33.7989, 25.3007

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.



20.1845, 24.0086, 19.3261



23.9005, 24.0086, 38.0248



23.7311, 24.0086, 16.9393

Square

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



23.9005, 24.0086, 38.0248



26.6600, 24.0086, 23.2098



21.7715, 24.0086, 17.0341



19.3667, 24.0086, 29.3097

Rectangle

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



23.9005, 24.0086, 38.0248



26.4739, 24.0086, 30.7610



21.7715, 24.0086, 17.0341



19.5178, 24.0086, 22.0089

Sweetspot

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



23.9013, 24.0096, 38.0253



56.2118, 58.5353, 70.3919



28.1499, 33.2441, 37.1686



12.4929, 12.9946, 15.7873



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.



23.9013, 24.0096, 38.0253



39.0326, 38.5903, 67.4476



25.1880, 23.6806, 37.8940



6.7784, 7.0157, 8.9000



5.4018, 2.5830, 27.1436



0.1356, 0.0986, 0.5777

Inverse Universe

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



27.0577, 24.9190, 25.5751



45.7882, 40.6288, 40.7804



29.7102, 34.3088, 25.4791



7.1131, 7.1017, 7.5820



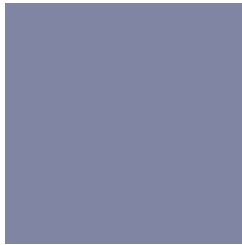
11.8721, 6.1049, 1.2509



0.2606, 0.1327, 0.0851

Previews

White Background



This preview shows how the XYZ color 23.9005, 24.0086, 38.0248 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 23.9005, 24.0086, 38.0248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

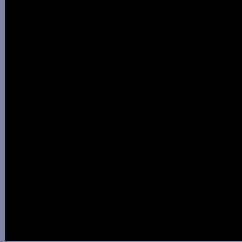
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9005, 24.0086, 38.0248

Background



This preview shows how black text looks on a background with the XYZ color 23.9005, 24.0086, 38.0248.



This preview shows how white text looks on a background with the XYZ color 23.9005, 24.0086,

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

23.9005, 24.0086, 38.0248

Protanopia

23.9005, 24.0086, 38.0248

Deuteranopia

24.4000, 23.8635, 37.9704



Tritanopia

22.5281, 24.0749, 31.0633

Trichromacy



Original Color

23.9005, 24.0086, 38.0248

Protanomaly

23.9005, 24.0086, 38.0248

Deuteranomaly

24.2222, 23.9722, 38.0008

Tritanomaly

23.0179, 24.0635, 33.5685

Monochromacy



Original Color

23.9005, 24.0086, 38.0248

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.1517, 24.0001, 30.2003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9005, 24.0086, 38.0248 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(128, 133, 163)` looks like.

```
.text, #text, p{  
    color:rgb(128, 133, 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(128, 133, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 133, 163) }
```

Border

The CSS property to change the border of an element to XYZ 23.9005, 24.0086, 38.0248 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(128, 133, 163) }
```


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

```
.border{ border-color:rgb(128, 133, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 133, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 133, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 133, 163);  
box-shadow:4px 4px 4px 4px rgb(128, 133,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9005, 24.0086, 38.0248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 133, 163) }
```

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

```
.background{ background-color: rgb(128,  
133, 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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