

Converting Colors

XYZ(23.8822, 23.1587, 41.6650)

Have a look what the booklet for
XYZ(23.8822, 23.1587, 41.6650)
contains.

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Color

**XYZ(23.8051, 23.0764,
41.7276)**

Conversions

Conversions Part 1

Format	Color
Hex	7E81AB
RGB	126, 129, 171
RGB Percent	49%, 51%, 67%
CMY	0.5059, 0.4941, 0.3294
CMYK	0.26, 0.25, 0.00, 0.33
HSL	236°, 21%, 58%
HSV	236°, 26%, 67%
XYZ	23.8051, 23.0764, 41.7276
YIQ	132.8910, -15.2700, 12.4260

Conversions

Conversions Part 2

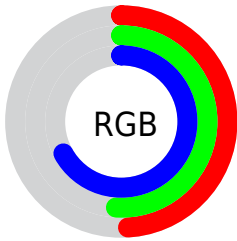
Format	Color
R_{YB}	126, 129, 171
Decimal	8290731
CIE _{Lab}	55.15, 8.49, -22.60
CIE _{LCh}	55, 24.140, 290.583
Yxy	23.0764, 0.2687, 0.2604
Android (android.graphics.Color)	4286480811 (0xFF7E81AB)
YUV	132.8910, 18.7877, -6.0434
Hunter-Lab	48.0379, 4.3890, -17.8751

Details

The XYZ color **23.8051, 23.0764, 41.7276** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **34.5634, 38.1697, 25.2851**, and the grayscale version is **22.1931, 23.3489, 25.4269**.

A 20% lighter version of the original color is **49.0458, 48.5306, 78.7339**, and **9.1789, 8.6057, 18.6301** is the 20% darker color. If you saturate the color by 10%, you get **19.5553, 18.0052, 40.9731**, and if you desaturate by 10%, it is **28.8158, 29.0284, 42.6128**.

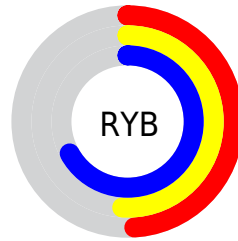
Distribution



Red (49%)

Green (51%)

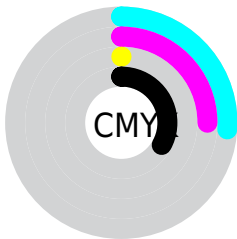
Blue (67%)



Red (49%)

Yellow (51%)

Blue (67%)

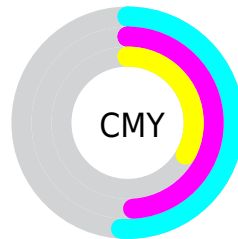


Cyan (26%)

Magenta (25%)

Yellow (0%)

Black (33%)



Cyan (51%)

Magenta (49%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8051, 23.0764, 41.7276 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 23.8051, 23.0764, 41.7276 by changing the saturation by 10% instead.

■ 23.8051, 23.0764,
41.7276

■ 23.8051, 23.0764,
41.7276

264.2924,
268.1172, 369.1188

■ 15.3131, 14.6499,
28.5641

■ 49.1690, 48.5187,
79.0528

■ 9.1271, 8.5741,
18.5086

■ 66.7715, 66.3034,
104.0516

■ 4.8820, 4.4644,
11.1425

■ 88.1416, 87.9763,
133.8326

■ 2.2122, 1.9366,
6.0474

113.6445,
113.9217, 168.8142

■ 0.7492, 0.5702,
2.8047

143.6457,
144.5241, 209.4151

■ 0.0000, 0.0000,
0.9958

178.5106,

■ 0.0000, 0.0000,

180.1679, 256.0538

0.0000

218.6043,
221.2374, 309.1489

■ 23.8051, 23.0764,
41.7276

■ 23.8051, 23.0764,
41.7276

■ 19.5553, 18.0052,
40.9731

■ 28.8158, 29.0284,
42.6128

■ 16.0270, 13.7702,
40.3417

■ 34.6197, 35.8973,
43.6327

■ 13.1808, 10.3274,
39.8272

■ 41.2500, 43.7206,
44.7933

■ 10.9723, 7.6274,
39.4224

■ 48.7373, 52.5329,
46.0996

■ 9.3523, 5.6153,
39.1194

■ 57.1107, 62.3670,
47.5565

■ 8.2640, 4.2286,
38.9091

■ 66.3978, 73.2544,
49.1684

■ 7.6345, 3.3908,
38.7806

■ 76.6252, 85.2248,
50.9399

■ 7.4751, 3.1890,
38.7500

■ 84.3508, 95.7203,
52.5586

Harmonies

Analogous

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



21.0969, 23.0764, 42.7839



23.8051, 23.0764, 41.7276



26.1829, 23.0764, 35.7705

Triad

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



23.8051, 23.0764, 41.7276



25.3892, 23.0764, 15.3209



17.2104, 23.0764, 22.7766

Complementary

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



23.8051, 23.0764, 41.7276



34.5634, 38.1697, 25.2851

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.



18.1706, 23.0764, 16.8357



23.8051, 23.0764, 41.7276



22.7918, 23.0764, 13.1500

Square

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



23.8051, 23.0764, 41.7276



27.1481, 23.0764, 20.2640



20.1625, 23.0764, 13.6411



17.4333, 23.0764, 30.7101

Rectangle

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



23.8051, 23.0764, 41.7276



27.1897, 23.0764, 30.3871



20.1625, 23.0764, 13.6411



17.4024, 23.0764, 20.5107

Sweetspot

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



23.8059, 23.0773, 41.7281



59.9942, 61.9171, 77.7910



30.1658, 36.3612, 42.1094



13.0251, 13.3893, 17.2856



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.



23.8059, 23.0773, 41.7281



37.7210, 35.4719, 73.8605



26.4452, 23.8597, 41.7400



7.6202, 7.8398, 10.0643



5.6502, 2.4343, 29.2166



0.1708, 0.0949, 0.8173

Inverse Universe

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



28.2185, 25.1653, 24.1400



47.0883, 39.9800, 36.5068



31.3251, 37.3322, 25.2942



8.0261, 8.0237, 8.4483



12.7156, 6.5488, 0.8820



0.3606, 0.1849, 0.0606

Previews

White Background



This preview shows how the XYZ color 23.8051, 23.0764, 41.7276 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 23.8051, 23.0764, 41.7276 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 23.8051, 23.0764, 41.7276

Background



This preview shows how black text looks on a background with the XYZ color 23.8051, 23.0764, 41.7276.



This preview shows how white text looks on a background with the XYZ color 23.8051, 23.0764,

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

23.8051, 23.0764, 41.7276

Protanopia

23.3142, 23.0088, 42.2421

Deuteranopia

23.6455, 23.1906, 41.7581



Tritanopia

21.5211, 23.1595, 30.1240

Trichromacy



Original Color

23.8051, 23.0764, 41.7276

Protanomaly

23.5974, 23.1548, 42.2553

Deuteranomaly

23.7908, 23.2655, 41.7649

Tritanomaly

22.2524, 23.0466, 33.8475

Monochromacy



Original Color

23.8051, 23.0764, 41.7276

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.7236, 23.3549, 30.9141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8051, 23.0764, 41.7276 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(126, 129, 171)` looks like.

```
.text, #text, p{  
    color:rgb(126, 129, 171)  
}
```

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(126, 129, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 129, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.8051, 23.0764, 41.7276 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(126, 129, 171) }
```


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

```
.border{ border-color:rgb(126, 129, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 129, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 129, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 129, 171);  
box-shadow:4px 4px 4px 4px rgb(126, 129,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8051, 23.0764, 41.7276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 129, 171) }
```

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

```
.background{ background-color: rgb(126,  
129, 171) }
```

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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