

Converting Colors

XYZ(23.3368, 21.1991, 49.3163)

Have a look what the booklet for
XYZ(23.3368, 21.1991, 49.3163)
contains.

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Color

**XYZ(23.3080, 21.1419,
49.3067)**

Conversions

Conversions Part 1

Format	Color
Hex	7779BA
RGB	119, 121, 186
RGB Percent	47%, 47%, 73%
CMY	0.5333, 0.5255, 0.2706
CMYK	0.36, 0.35, 0.00, 0.27
HSL	238°, 33%, 60%
HSV	238°, 36%, 73%
XYZ	23.3080, 21.1419, 49.3067
YIQ	127.8120, -22.0570, 19.7910

Conversions

Conversions Part 2

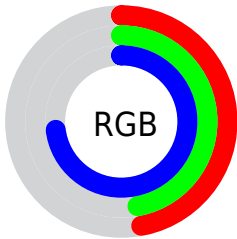
Format	Color
R _Y B	119, 121, 186
Decimal	7829946
CIE Lab	53.10, 15.10, -34.44
CIE LCh	53, 37.603, 293.674
Yxy	21.1419, 0.2486, 0.2255
Android (android.graphics.Color)	4286020026 (0xFF7779BA)
YUV	127.8120, 28.6867, -7.7281
Hunter-Lab	45.9803, 10.0183, -31.3930

Details

The XYZ color **23.3080, 21.1419, 49.3067** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.7203, 46.0522, 24.1963**, and the grayscale version is **20.3627, 21.4231, 23.3298**.

A 20% lighter version of the original color is **48.2042, 45.1822, 90.1848**, and **8.8621, 7.6243, 22.8344** is the 20% darker color. If you saturate the color by 10%, you get **19.0092, 15.9697, 48.5353**, and if you desaturate by 10%, it is **28.5180, 27.3936, 50.2392**.

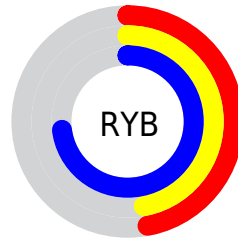
Distribution



Red (47%)

Green (47%)

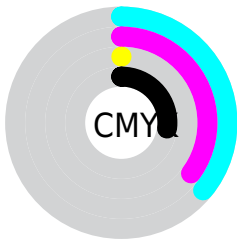
Blue (73%)



Red (47%)

Yellow (47%)

Blue (73%)

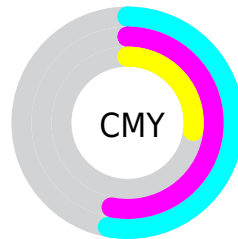


Cyan (36%)

Magenta (35%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (53%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3080, 21.1419, 49.3067 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 23.3080, 21.1419, 49.3067 by changing the saturation by 10% instead.

■ 23.3080, 21.1419,
49.3067

■ 23.3080, 21.1419,
49.3067

261.8089,
258.0317, 400.6056

■ 14.9430, 13.2278,
34.4955

■ 48.3615, 45.3236,
90.5325

■ 8.8655, 7.5856,
22.9941

■ 65.7808, 62.3599,
117.7842

■ 4.7099, 3.8309,
14.3839

■ 86.9489, 83.2058,
150.0198

■ 2.1111, 1.5794,
8.2464

112.2311,
108.2455, 187.6579

■ 0.6952, 0.3437,
4.1630

141.9929,
137.8636, 231.1170

■ 0.0000, 0.0000,
1.7152

176.5995,

■ 0.0000, 0.0000,

172.4444, 280.8156

0.3711

216.4164,
212.3723, 337.1723

■ 0.0000, 0.0000,
0.0000

■ 23.3080, 21.1419,
49.3067

■ 23.3080, 21.1419,
49.3067

■ 19.0092, 15.9697,
48.5353

■ 28.5180, 27.3936,
50.2392

■ 15.5672, 11.8135,
47.9145

■ 34.6851, 34.7785,
51.3396

■ 12.9252, 8.6073,
47.4349

■ 41.8545, 43.3496,
52.6161

■ 11.0187, 6.2760,
47.0854

■ 50.0682, 53.1559,
54.0760

■ 9.7733, 4.7333,
46.8533

■ 59.3656, 64.2437,
55.7261

■ 9.0962, 3.8741,
46.7231

■ 69.7842, 76.6568,
57.5730

■ 8.9233, 3.6658,
46.6920

■ 81.3596, 90.4370,
59.6227

■ 85.8630, 96.3252,
60.5219

Harmonies

Analogous

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



19.2678, 21.1419, 52.1882



23.3080, 21.1419, 49.3067



26.8708, 21.1419, 38.4954

Triad

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



23.3080, 21.1419, 49.3067



24.9485, 21.1419, 9.5467



13.4401, 21.1419, 20.7008

Complementary

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



23.3080, 21.1419, 49.3067



40.7203, 46.0522, 24.1963

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.



14.5659, 21.1419, 12.3721



23.3080, 21.1419, 49.3067



20.9450, 21.1419, 7.4419

Square

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



23.3080, 21.1419, 49.3067



27.9015, 21.1419, 15.3307



17.1913, 21.1419, 8.2725



13.8996, 21.1419, 32.9272

Rectangle

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



23.3080, 21.1419, 49.3067



28.3187, 21.1419, 29.7064



17.1913, 21.1419, 8.2725



13.6404, 21.1419, 17.4206

Sweetspot

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



23.3088, 21.1427, 49.3072



68.9242, 70.2803, 94.1342



33.7945, 42.4911, 51.6401



14.7936, 15.0169, 20.6614



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.3088, 21.1427, 49.3072



36.1128, 30.9428, 88.2706



28.0872, 23.2489, 49.4619



8.5420, 8.7613, 11.3203



6.0131, 2.4859, 31.4160



0.2193, 0.1023, 1.1099

Inverse Universe

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



30.2983, 25.0139, 21.3213



50.6262, 39.0510, 30.1438



34.3557, 43.3924, 24.0183



9.0152, 9.0164, 9.4274



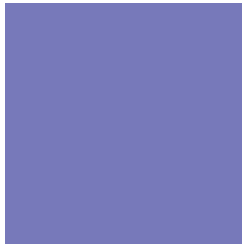
13.6488, 7.0333, 0.7716



0.4848, 0.2494, 0.0466

Previews

White Background



This preview shows how the XYZ color 23.3080, 21.1419, 49.3067 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 23.3080, 21.1419, 49.3067 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 23.3080, 21.1419, 49.3067

Background



This preview shows how black text looks on a background with the XYZ color 23.3080, 21.1419, 49.3067.



This preview shows how white text looks on a background with the XYZ color 23.3080, 21.1419,

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

23.3080, 21.1419, 49.3067

Protanopia

22.3446, 21.3446, 51.0863

Deuteranopia

21.6973, 21.2493, 48.8569



Tritanopia

19.0970, 21.1396, 28.2731

Trichromacy



Original Color

23.3080, 21.1419, 49.3067

Protanomaly

22.7152, 21.3611, 50.5028

Deuteranomaly

22.1489, 21.1062, 48.8055

Tritanomaly

20.4852, 21.1238, 34.8959

Monochromacy



Original Color

23.3080, 21.1419, 49.3067

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.2159, 21.1971, 31.4070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3080, 21.1419, 49.3067 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(119, 121, 186)` looks like.

```
.text, #text, p{  
    color:rgb(119, 121, 186)  
}
```

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(119, 121, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 121, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.3080, 21.1419, 49.3067 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(119, 121, 186) }
```


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

```
.border{ border-color:rgb(119, 121, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 121, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 121, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 121, 186);  
box-shadow:4px 4px 4px 4px rgb(119, 121,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3080, 21.1419, 49.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 121, 186) }
```

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

```
.background{ background-color: rgb(119,  
121, 186) }
```

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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