

Converting Colors

XYZ(23.2638, 33.9826, 6.8837)

Have a look what the booklet for
XYZ(23.2638, 33.9826, 6.8837)
contains.

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Color

**XYZ(23.2096, 33.8315,
6.8202)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAC22
RGB	123, 172, 34
RGB Percent	48%, 67%, 13%
CMY	0.5176, 0.3255, 0.8666
CMYK	0.28, 0.00, 0.80, 0.33
HSL	81°, 67%, 40%
HSV	81°, 80%, 67%
XYZ	23.2096, 33.8315, 6.8202
YIQ	141.6170, 15.0940, -53.3060

Conversions

Conversions Part 2

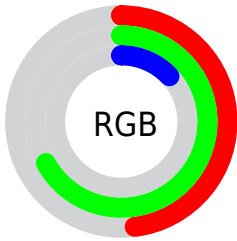
Format	Color
RYB	34, 172, 83
Decimal	8104994
CIELab	64.83, -35.88, 59.93
CIELCh	65, 69.850, 120.907
Yxy	33.8315, 0.3634, 0.5298
Android (android.graphics.Color)	4286295074 (0xFF7BAC22)
YUV	141.6170, -53.0552, -16.3271
Hunter-Lab	58.1649, -30.5614, 33.7633

Details

The XYZ color **23.2096, 33.8315, 6.8202** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **11.5872, 5.9626, 39.5719**, and the grayscale version is **25.7594, 27.1009, 29.5129**.

A 20% lighter version of the original color is **48.2221, 65.8258, 20.0616**, and **8.9807, 14.4226, 2.3105** is the 20% darker color. If you saturate the color by 10%, you get **22.1745, 33.3208, 5.7852**, and if you desaturate by 10%, it is **24.4250, 34.4229, 8.5128**.

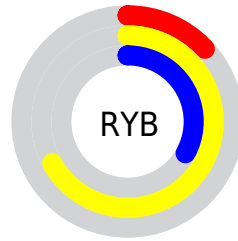
Distribution



Red (48%)

Green (67%)

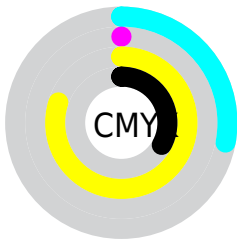
Blue (13%)



Red (13%)

Yellow (67%)

Blue (33%)

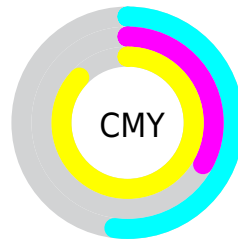


Cyan (28%)

Magenta (0%)

Yellow (80%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2096, 33.8315, 6.8202 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 23.2096, 33.8315, 6.8202 by changing the saturation by 10% instead.

■ 23.2096, 33.8315,
6.8202

■ 23.2096, 33.8315,
6.8202

261.3150,
319.3801, 175.7351

■ 14.8699, 22.7642,
3.2732

■ 48.2014, 65.6716,
20.1172

■ 8.8138, 14.4195,
1.2358

■ 65.5842, 87.2131,
30.7044

■ 4.6761, 8.4130,
0.0083

■ 86.7121, 113.0148,
44.4752

■ 2.0913, 4.3603,
0.0000

■ 111.9504,
143.4611, 61.8484

■ 0.6845, 1.8771,
0.0000

■ 141.6645,
178.9364, 83.2425

■ 0.0000, 0.5346,
0.0000

■ 176.2197,

■ 0.0000, 0.0000,

219.8250, 109.0759

0.0000

215.9814,
266.5115, 139.7673

■ 23.2096, 33.8315,
6.8202

■ 23.2096, 33.8315,
6.8202

■ 22.1745, 33.3208,
5.7852

■ 24.4250, 34.4229,
8.5128

■ 21.2992, 32.8811,
5.2241

■ 25.8355, 35.0977,
10.9470

■ 27.4568, 35.8633,
14.1965

■ 29.3020, 36.7250,
18.3256

■ 31.3829, 37.6878,
23.3922

■ 33.7105, 38.7560,
29.4492

■ 36.2948, 39.9339,
36.5457

■ 39.1455, 41.2254,
44.7273

■ 42.2715, 42.6341,
54.0370

Harmonies

Analogous

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



31.8507, 33.8315, 4.5727



23.2096, 33.8315, 6.8202



18.0434, 33.8315, 15.9349

Triad

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



23.2096, 33.8315, 6.8202



23.6388, 33.8315, 109.5316



55.6295, 33.8315, 35.9671

Complementary

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



23.2096, 33.8315, 6.8202



11.5872, 5.9626, 39.5719

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.



52.1898, 33.8315, 70.8659



23.2096, 33.8315, 6.8202



32.4629, 33.8315, 124.6116

Square

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



23.2096, 33.8315, 6.8202



18.2524, 33.8315, 73.2404



43.1481, 33.8315, 107.7290



51.7683, 33.8315, 15.0822

Rectangle

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



23.2096, 33.8315, 6.8202



16.5896, 33.8315, 28.7580



43.1481, 33.8315, 107.7290



55.2834, 33.8315, 46.3024

Sweetspot

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



23.2104, 33.8330, 6.8209



59.3234, 69.4678, 48.5825



20.3433, 14.9674, 3.3306



12.5790, 14.9530, 9.7473



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.



23.2104, 33.8330, 6.8209



39.0072, 59.8329, 9.7508



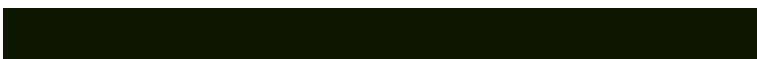
16.6016, 30.4260, 6.5116



8.3825, 9.1858, 8.5446



15.9106, 24.4993, 3.8903



0.4992, 0.7107, 0.1109

Inverse Universe

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



11.5872, 5.9626, 39.5719



17.3959, 7.5520, 71.3466



20.8380, 10.7316, 40.0048



7.8373, 7.8904, 10.0626



7.0321, 2.9850, 29.2500



0.2562, 0.1143, 0.8165

Previews

White Background



This preview shows how the XYZ color 23.2096, 33.8315, 6.8202 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.2096, 33.8315, 6.8202 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 ✓ Pass

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

XYZ 23.2096, 33.8315, 6.8202

Background



This preview shows how black text looks on a background with the XYZ color 23.2096, 33.8315, 6.8202.



This preview shows how white text looks on a background with the XYZ color 23.2096, 33.8315,

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

23.2096, 33.8315, 6.8202

Protanopia

30.1958, 33.4378, 6.0909

Deuteranopia

34.2665, 33.5625, 7.2569



Tritanopia

30.7611, 33.6477, 44.4085

Trichromacy



Original Color

23.2096, 33.8315, 6.8202

Protanomaly

27.0723, 33.1077, 6.2599

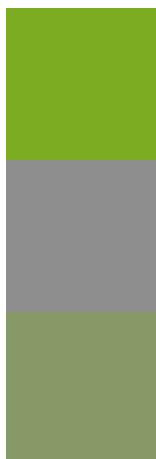
Deuteranomaly

29.0525, 32.8272, 6.9955

Tritanomaly

26.4612, 32.9426, 23.3763

Monochromacy



Original Color

23.2096, 33.8315, 6.8202

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

23.8311, 28.9126, 17.1566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2096, 33.8315, 6.8202 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(123, 172, 34)` looks like.

```
.text, #text, p{  
    color:rgb(123, 172, 34)  
}
```

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(123, 172, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 172, 34) }
```

Border

The CSS property to change the border of an element to XYZ 23.2096, 33.8315, 6.8202 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(123, 172, 34) }
```


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

```
.border{ border-color:rgb(123, 172, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 172, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 172, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 172, 34);  
box-shadow:4px 4px 4px 4px rgb(123, 172,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2096, 33.8315, 6.8202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 172, 34) }
```

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

```
.background{ background-color: rgb(123,  
172, 34) }
```

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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