

Converting Colors

XYZ(23.1973, 33.7065, 5.7124)

Have a look what the booklet for
XYZ(23.1973, 33.7065, 5.7124)
contains.

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Color

**XYZ(23.0996, 33.5175,
5.6675)**

Conversions

Conversions Part 1

Format	Color
Hex	7DAB0E
RGB	125, 171, 14
RGB Percent	49%, 67%, 5%
CMY	0.5098, 0.3294, 0.9450
CMYK	0.27, 0.00, 0.92, 0.33
HSL	78°, 85%, 36%
HSV	78°, 92%, 67%
XYZ	23.0996, 33.5175, 5.6675
YIQ	139.3480, 22.9810, -58.5790

Conversions

Conversions Part 2

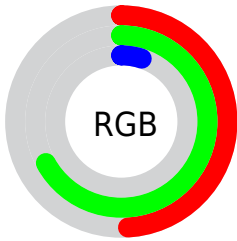
Format	Color
RYB	14, 171, 60
Decimal	8235790
CIELab	64.58, -35.29, 64.25
CIElCh	65, 73.306, 118.778
Yxy	33.5175, 0.3709, 0.5381
Android (android.graphics.Color)	4286425870 (0xFF7DAB0E)
YUV	139.3480, -61.7966, -12.5832
Hunter-Lab	57.8943, -30.0942, 34.7219

Details

The XYZ color **23.0996, 33.5175, 5.6675** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.3728, 4.2160, 38.8498**, and the grayscale version is **24.9011, 26.1979, 28.5295**.

A 20% lighter version of the original color is **48.2085, 65.4624, 17.6841**, and **9.0042, 14.2590, 2.2777** is the 20% darker color. If you saturate the color by 10%, you get **22.4338, 33.1846, 5.2229**, and if you desaturate by 10%, it is **24.0200, 33.9735, 6.5957**.

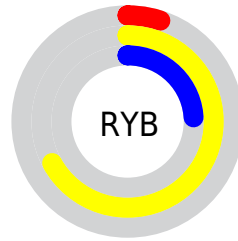
Distribution



Red (49%)

Green (67%)

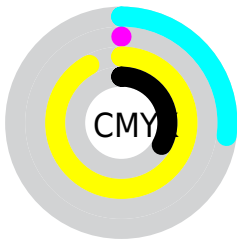
Blue (5%)



Red (5%)

Yellow (67%)

Blue (24%)

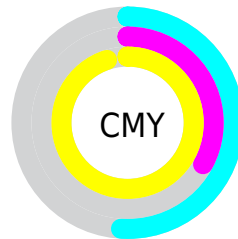


Cyan (27%)

Magenta (0%)

Yellow (92%)

Black (33%)



Cyan (51%)


Magenta (33%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0996, 33.5175, 5.6675 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 23.0996, 33.5175, 5.6675 by changing the saturation by 10% instead.


 23.0996, 33.5175,
5.6675


 23.0996, 33.5175,
5.6675


260.7619,
317.9752, 165.2675


 14.7882, 22.5232,
2.5785


 48.0223, 65.1826,
17.7024


 8.7562, 14.2418,
0.8813


 65.3642, 86.6222,
27.4853


 4.6383, 8.2891,
0.0000


 86.4471, 112.3124,
40.3366

 2.0692, 4.2805,
0.0000

 111.6361,
142.6375, 56.6748

 0.6724, 1.8317,
0.0000

 141.2968,
177.9819, 76.9184

 0.0000, 0.5068,
0.0000

 175.7944,

 0.0000, 0.0000,

218.7301, 101.4861

0.0000

215.4944,
265.2664, 130.7963

■ 23.0996, 33.5175,
5.6675

■ 23.0996, 33.5175,
5.6675

■ 22.4338, 33.1846,
5.2229

■ 24.0200, 33.9735,
6.5957

■ 25.0967, 34.4952,
8.1550

■ 26.3476, 35.0909,
10.4334

■ 27.7872, 35.7666,
13.5047

■ 29.4283, 36.5273,
17.4333

■ 31.2822, 37.3777,
22.2771

■ 33.3595, 38.3222,
28.0891

■ 35.6700, 39.3645,
34.9180

■ 38.2228, 40.5085,
42.8093

Harmonies

Analogous

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



32.2895, 33.5175, 3.8488



23.0996, 33.5175, 5.6675



17.5333, 33.5175, 13.9930

Triad

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



23.0996, 33.5175, 5.6675



22.5035, 33.5175, 111.5442



56.5796, 33.5175, 37.7407

Complementary

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



23.0996, 33.5175, 5.6675



9.3728, 4.2160, 38.8498

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.



52.4086, 33.5175, 75.3779



23.0996, 33.5175, 5.6675



31.4291, 33.5175, 130.0799

Square

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



23.0996, 33.5175, 5.6675



17.2460, 33.5175, 71.9699



42.5887, 33.5175, 114.1590



53.0103, 33.5175, 15.1497

Rectangle

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



23.0996, 33.5175, 5.6675



15.8848, 33.5175, 26.3671



42.5887, 33.5175, 114.1590



56.0226, 33.5175, 48.9316

Sweetspot

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



23.1004, 33.5190, 5.6682



57.2084, 67.4791, 43.1445



18.4129, 11.7662, 1.7166



12.4232, 14.8956, 8.7081



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.



23.1004, 33.5190, 5.6682



39.9547, 59.3148, 9.3431



15.8632, 29.7881, 5.3295



8.4306, 9.2106, 8.5468



16.9653, 25.0430, 3.9396



0.5229, 0.7230, 0.1120

Inverse Universe

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



9.3728, 4.2160, 38.8498



15.3454, 6.3901, 69.4265



17.8230, 8.5723, 39.2453



7.7912, 7.8667, 10.0605



6.5838, 2.7540, 29.2291



0.2383, 0.1051, 0.8157

Previews

White Background



This preview shows how the XYZ color 23.0996, 33.5175, 5.6675 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 23.0996, 33.5175, 5.6675 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 23.0996, 33.5175, 5.6675

Background



This preview shows how black text looks on a background with the XYZ color 23.0996, 33.5175, 5.6675.



This preview shows how white text looks on a background with the XYZ color 23.0996, 33.5175,

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

23.0996, 33.5175, 5.6675

Protanopia

29.8094, 33.0136, 4.8873

Deuteranopia

33.9046, 33.1656, 6.1280



Tritanopia

30.8290, 33.4376, 43.8590

Trichromacy



Original Color

23.0996, 33.5175, 5.6675

Protanomaly

26.6878, 32.6732, 5.1010

Deuteranomaly

28.8809, 32.5140, 5.7906

Tritanomaly

26.1834, 32.5831, 21.1288

Monochromacy



Original Color

23.0996, 33.5175, 5.6675

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.9185, 28.0097, 14.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0996, 33.5175, 5.6675 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(125, 171, 14)` looks like.

```
.text, #text, p{  
    color:rgb(125, 171, 14)  
}
```

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(125, 171, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 171, 14) }
```

Border

The CSS property to change the border of an element to XYZ 23.0996, 33.5175, 5.6675 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(125, 171, 14) }
```


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

```
.border{ border-color:rgb(125, 171, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 171, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 171, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 171, 14);  
box-shadow:4px 4px 4px 4px rgb(125, 171,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0996, 33.5175, 5.6675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 171, 14) }
```

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

```
.background{ background-color: rgb(125,  
171, 14) }
```

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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