

Converting Colors

XYZ(23.3071, 36.5330, 6.3535)

Have a look what the booklet for
XYZ(23.3071, 36.5330, 6.3535)
contains.

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Color

**XYZ(23.3071, 36.5330,
6.3535)**

Conversions

Conversions Part 1

Format	Color
Hex	70B511
RGB	112, 181, 17
RGB Percent	44%, 71%, 7%
CMY	0.5608, 0.2902, 0.9333
CMYK	0.38, 0.00, 0.91, 0.29
HSL	85°, 83%, 39%
HSV	85°, 91%, 71%
XYZ	23.3071, 36.5330, 6.3535
YIQ	141.6730, 11.5200, -65.6320

Conversions

Conversions Part 2

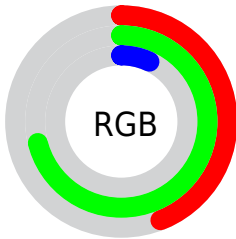
Format	Color
RYB	17, 181, 86
Decimal	7386385
CIELab	66.93, -44.48, 65.40
CIELCh	67, 79.092, 124.219
Yxy	36.5330, 0.3521, 0.5519
Android (android.graphics.Color)	4285576465 (0xFF70B511)
YUV	141.6730, -61.4638, -26.0232
Hunter-Lab	60.4425, -36.9435, 36.0774

Details

The XYZ color **23.3071, 36.5330, 6.3535** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **12.3810, 5.7170, 44.1692**, and the grayscale version is **25.8152, 27.1596, 29.5768**.

A 20% lighter version of the original color is **48.2077, 69.6279, 19.0823**, and **9.1107, 15.9630, 2.6010** is the 20% darker color. If you saturate the color by 10%, you get **22.3316, 36.0430, 5.7800**, and if you desaturate by 10%, it is **24.5223, 37.1371, 7.4747**.

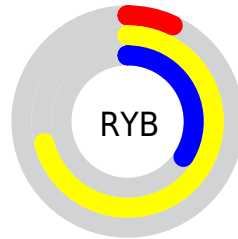
Distribution



Red (44%)

Green (71%)

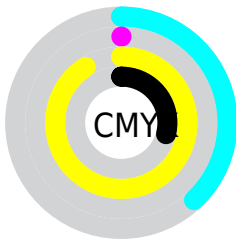
Blue (7%)



Red (7%)

Yellow (71%)

Blue (34%)

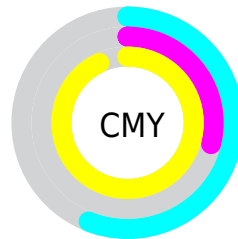


Cyan (38%)

Magenta (0%)

Yellow (91%)

Black (29%)



Cyan (56%)


Magenta (29%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3071, 36.5330, 6.3535 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 23.3071, 36.5330, 6.3535 by changing the saturation by 10% instead.


 23.3071, 36.5330,
6.3535


 23.3071, 36.5330,
6.3535


261.8044,
331.2842, 171.6000


 14.9424, 24.8461,
2.9890


 48.3600, 69.8539,
19.1505


 8.8650, 15.9624,
1.0890


 65.7790, 92.2568,
29.4201

 4.7096, 9.4976,
0.0000


 86.9467, 119.0005,
42.8284

 2.1109, 5.0671,
0.0000

 112.2285,
150.4693, 59.7939

 0.6951, 2.2867,
0.0000

 141.9899,
187.0477, 80.7354

 0.0000, 0.7667,
0.0000

 176.5961,

 0.0000, 0.0000,

229.1200, 106.0711

0.0000

216.4125,
277.0707, 136.2198

■ 23.3071, 36.5330,
6.3535

■ 23.3071, 36.5330,
6.3535

■ 22.3316, 36.0430,
5.7800

■ 24.5223, 37.1371,
7.4747

■ 25.9592, 37.8383,
9.3294

■ 27.6394, 38.6467,
12.0171

■ 29.5806, 39.5696,
15.6215

■ 31.7984, 40.6135,
20.2158

■ 34.3070, 41.7843,
25.8660

■ 37.1195, 43.0874,
32.6323

■ 40.2482, 44.5278,
40.5705

■ 43.7044, 46.1104,
49.7325

Harmonies

Analogous

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



33.0553, 36.5330, 3.5841



23.3071, 36.5330, 6.3535



17.8285, 36.5330, 17.4203

Triad

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



23.3071, 36.5330, 6.3535



25.6320, 36.5330, 133.7489



63.1575, 36.5330, 35.1168

Complementary

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



23.3071, 36.5330, 6.3535



12.3810, 5.7170, 44.1692

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.



59.8898, 36.5330, 75.9526



23.3071, 36.5330, 6.3535



36.4470, 36.5330, 148.6143

Square

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



23.3071, 36.5330, 6.3535



18.9380, 36.5330, 89.6482



49.3659, 36.5330, 123.1426



57.4840, 36.5330, 13.0058

Rectangle

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



23.3071, 36.5330, 6.3535



16.4686, 36.5330, 33.4922



49.3659, 36.5330, 123.1426



63.0759, 36.5330, 46.8053

Sweetspot

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



23.3079, 36.5346, 6.3543



62.9666, 75.5401, 49.9192



22.4339, 16.4159, 2.5171



13.2592, 16.1643, 9.9650



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.3079, 36.5346, 6.3543



39.7283, 64.4123, 10.3389



17.1815, 33.3763, 6.0676



8.8446, 9.7250, 9.0635



15.4746, 24.8875, 3.9882



0.5517, 0.8165, 0.1285

Inverse Universe

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



12.3810, 5.7170, 44.1692



20.0523, 8.6118, 78.9000



24.5495, 11.9901, 44.7387



8.3696, 8.3990, 10.6864



7.8889, 3.4027, 30.3780



0.3154, 0.1417, 0.9590

Previews

White Background



This preview shows how the XYZ color 23.3071, 36.5330, 6.3535 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 23.3071, 36.5330, 6.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

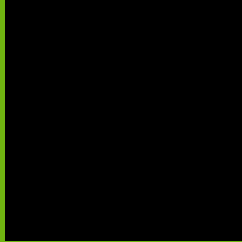
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3071, 36.5330, 6.3535

Background



This preview shows how black text looks on a background with the XYZ color 23.3071, 36.5330, 6.3535.



This preview shows how white text looks on a background with the XYZ color 23.3071, 36.5330,

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

23.3071, 36.5330, 6.3535

Protanopia

32.4871, 35.9233, 5.4226

Deuteranopia

36.8236, 36.0951, 6.9457



Tritanopia

31.9618, 36.2882, 49.5757

Trichromacy



Original Color

23.3071, 36.5330, 6.3535

Protanomaly

28.1530, 35.5682, 5.6981

Deuteranomaly

30.3174, 35.3078, 6.5135

Tritanomaly

26.9139, 35.6523, 23.8754

Monochromacy



Original Color

23.3071, 36.5330, 6.3535

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

23.4062, 29.4653, 15.7630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3071, 36.5330, 6.3535 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(112, 181, 17)` looks like.

```
.text, #text, p{  
    color:rgb(112, 181, 17)  
}
```

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(112, 181, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 181, 17) }
```

Border

The CSS property to change the border of an element to XYZ 23.3071, 36.5330, 6.3535 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(112, 181, 17) }
```


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

```
.border{ border-color:rgb(112, 181, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 181, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 181, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 181, 17);  
box-shadow:4px 4px 4px 4px rgb(112, 181,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3071, 36.5330, 6.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 181, 17) }
```

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

```
.background{ background-color: rgb(112,  
181, 17) }
```

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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