

Converting Colors

XYZ(23.0836, 37.0028, 7.6471)

Have a look what the booklet for
XYZ(23.0836, 37.0028, 7.6471)
contains.

XYZ(23.0931, 37.0038, 7.6756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.0931, 37.0038,
7.6756)**

Conversions

Conversions Part 1

Format	Color
Hex	69B725
RGB	105, 183, 37
RGB Percent	41%, 72%, 15%
CMY	0.5882, 0.2823, 0.8549
CMYK	0.43, 0.00, 0.80, 0.28
HSL	92°, 66%, 43%
HSV	92°, 80%, 72%
XYZ	23.0931, 37.0038, 7.6756
YIQ	143.0340, 0.3780, -61.9420

Conversions

Conversions Part 2

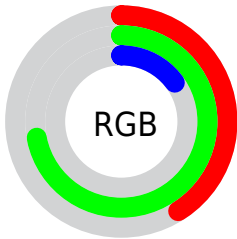
Format	Color
RYB	37, 183, 115
Decimal	6928165
CIELab	67.28, -46.97, 60.97
CIELCh	67, 76.960, 127.610
Yxy	37.0038, 0.3407, 0.5460
Android (android.graphics.Color)	4285118245 (0xFF69B725)
YUV	143.0340, -52.2748, -33.3558
Hunter-Lab	60.8307, -38.6901, 35.1003

Details

The XYZ color **23.0931, 37.0038, 7.6756** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **16.2811, 8.3882, 45.5628**, and the grayscale version is **26.3252, 27.6962, 30.1612**.

A 20% lighter version of the original color is **48.1259, 70.8278, 21.9611**, and **8.9324, 16.2584, 2.6674** is the 20% darker color. If you saturate the color by 10%, you get **21.7917, 36.3594, 6.4726**, and if you desaturate by 10%, it is **24.6722, 37.7771, 9.6445**.

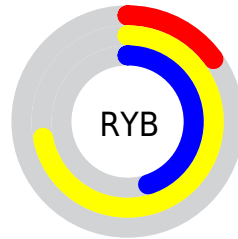
Distribution



Red (41%)

Green (72%)

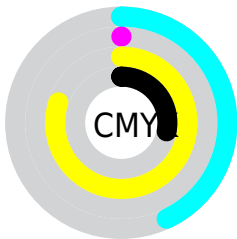
Blue (15%)



Red (15%)

Yellow (72%)

Blue (45%)

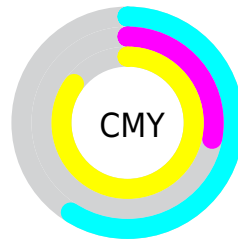


Cyan (43%)

Magenta (0%)

Yellow (80%)

Black (28%)



Cyan (59%)


Magenta (28%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0931, 37.0038, 7.6756 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 23.0931, 37.0038, 7.6756 by changing the saturation by 10% instead.


 23.0931, 37.0038,
7.6756


 23.0931, 37.0038,
7.6756


260.7292,
333.3270, 183.0035


 14.7833, 25.2104,
3.8033


 48.0117, 70.5786,
21.8556


 8.7528, 16.2339,
1.5181


 65.3512, 93.1289,
33.0003


 4.6361, 9.6898,
0.2313


 86.4314, 120.0336,
47.4063

 2.0679, 5.1938,
0.0000

 111.6176,
151.6770, 65.4920

 0.6717, 2.3614,
0.0000

 141.2751,
188.4437, 87.6761

 0.0000, 0.8059,
0.0000

 175.7693,

 0.0000, 0.0000,

230.7180, 114.3770

0.0000

215.4655,
278.8843, 146.0133

■ 23.0931, 37.0038,
7.6756

■ 23.0931, 37.0038,
7.6756

■ 21.7917, 36.3594,
6.4726

■ 24.6722, 37.7771,
9.6445

■ 20.7233, 35.8216,
5.8337

■ 26.5497, 38.6842,
12.4770

■ 20.7013, 35.8105,
5.8211

■ 28.7466, 39.7354,
16.2587

■ 31.2810, 40.9381,
21.0646

■ 34.1692, 42.2995,
26.9618

■ 37.4267, 43.8261,
34.0120

■ 41.0675, 45.5240,
42.2721

■ 45.1053, 47.3989,
51.7954

■ 49.5526, 49.4564,
62.6318

Harmonies

Analogous

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



32.2596, 37.0038, 4.1494



23.0931, 37.0038, 7.6756



18.1272, 37.0038, 20.3084

Triad

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



23.0931, 37.0038, 7.6756



27.2387, 37.0038, 134.7831



62.6956, 37.0038, 32.3060

Complementary

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



23.0931, 37.0038, 7.6756



16.2811, 8.3882, 45.5628

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.



60.5073, 37.0038, 70.3499



23.0931, 37.0038, 7.6756



38.2525, 37.0038, 144.6636

Square

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



23.0931, 37.0038, 7.6756



20.1219, 37.0038, 94.1716



50.8615, 37.0038, 116.4895



56.3073, 37.0038, 12.2759

Rectangle

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



23.0931, 37.0038, 7.6756



17.0650, 37.0038, 37.6489



50.8615, 37.0038, 116.4895



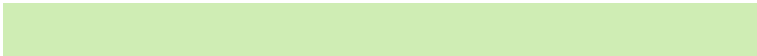
62.9600, 37.0038, 43.0536

Sweetspot

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



23.0940, 37.0054, 7.6764



64.2494, 77.1882, 54.8176



25.9795, 22.4336, 4.7117



13.7401, 16.8371, 11.1395



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.0940, 37.0054, 7.6764



37.5174, 64.3557, 10.7169



18.1131, 34.4283, 7.8693



9.2772, 10.2596, 9.5982



14.5186, 25.0209, 4.0643



0.5834, 0.9189, 0.1466

Inverse Universe

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



16.2811, 8.3882, 45.5628



24.7902, 11.1643, 81.0841



28.2408, 14.6112, 43.5236



8.9670, 8.9493, 11.3342



9.5395, 4.2290, 31.5666



0.4070, 0.1855, 1.1161

Previews

White Background



This preview shows how the XYZ color 23.0931, 37.0038, 7.6756 looks on a white background.

Color Contrast Check

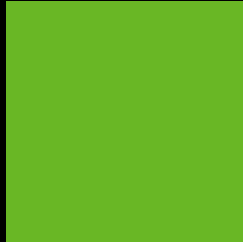
Large Text (above 18pt) WCAG AA × Fail

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 23.0931, 37.0038, 7.6756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

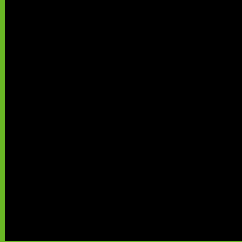
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.0931, 37.0038, 7.6756

Background



This preview shows how black text looks on a background with the XYZ color 23.0931, 37.0038, 7.6756.



This preview shows how white text looks on a background with the XYZ color 23.0931, 37.0038,

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

23.0931, 37.0038, 7.6756

Protanopia

32.8863, 36.3659, 6.6525

Deuteranopia

37.2207, 36.5191, 8.2191



Tritanopia

31.6306, 36.6458, 50.7536

Trichromacy



Original Color

23.0931, 37.0038, 7.6756

Protanomaly

28.1810, 35.8335, 6.9446

Deuteranomaly

30.0967, 35.4324, 7.8376

Tritanomaly

26.8979, 36.1502, 27.0327

Monochromacy



Original Color

23.0931, 37.0038, 7.6756

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

23.7788, 30.1203, 17.6572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0931, 37.0038, 7.6756 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(105, 183, 37)` looks like.

```
.text, #text, p{  
    color:rgb(105, 183, 37)  
}
```

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(105, 183, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 183, 37) }
```

Border

The CSS property to change the border of an element to XYZ 23.0931, 37.0038, 7.6756 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(105, 183, 37) }
```


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

```
.border{ border-color:rgb(105, 183, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 183, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 183, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 183, 37);  
box-shadow:4px 4px 4px 4px rgb(105, 183,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0931, 37.0038, 7.6756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 183, 37) }
```

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

```
.background{ background-color: rgb(105,  
183, 37) }
```

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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