

Converting Colors

XYZ(12.2709, 23.4062, 7.2250)

Have a look what the booklet for
XYZ(12.2709, 23.4062, 7.2250)
contains.

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Color

**XYZ(12.2733, 23.4070,
7.2393)**

Conversions

Conversions Part 1

Format	Color
Hex	069A35
RGB	6, 154, 53
RGB Percent	2%, 60%, 21%
CMY	0.9765, 0.3961, 0.7921
CMYK	0.96, 0.00, 0.66, 0.40
HSL	139°, 93%, 31%
HSV	139°, 96%, 60%
XYZ	12.2733, 23.4070, 7.2393
YIQ	98.2340, -55.7870, -62.7870

Conversions

Conversions Part 2

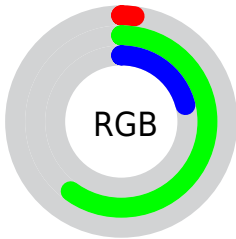
Format	Color
RYB	6, 118, 154
Decimal	432693
CIELab	55.49, -55.42, 42.23
CIELCh	55, 69.678, 142.690
Yxy	23.4070, 0.2860, 0.5454
Android (android.graphics.Color)	4278622773 (0xFF069A35)
YUV	98.2340, -22.3004, -80.8892
Hunter-Lab	48.3808, -39.3843, 24.9949

Details

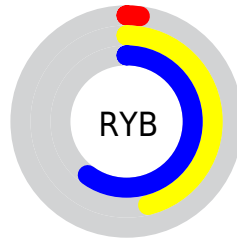
The XYZ color **12.2733, 23.4070, 7.2393** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.0459, 8.0621, 14.6201**, and the grayscale version is **11.7320, 12.3430, 13.4415**.

A 20% lighter version of the original color is **29.6651, 49.2165, 21.0329**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **12.1085, 23.3332, 6.7612**, and if you desaturate by 10%, it is **12.7855, 23.6406, 8.6673**.

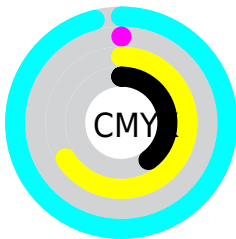
Distribution



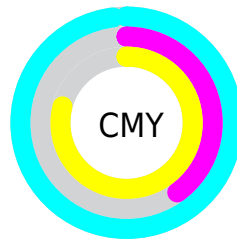
- Red (2%)
- Green (60%)
- Blue (21%)



- Red (2%)
- Yellow (46%)
- Blue (60%)



- Cyan (96%)
- Magenta (0%)
- Yellow (66%)
- Black (40%)



- Cyan (98%)
- Magenta (40%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2733, 23.4070, 7.2393 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 12.2733, 23.4070, 7.2393 by changing the saturation by 10% instead.

■ 12.2733, 23.4070,
7.2393

■ 12.2733, 23.4070,
7.2393

199.9395,
269.8086, 179.3432

■ 7.0036, 14.8943,
3.5315

■ 29.6045, 49.0608,
20.9740

■ 3.5107, 8.7453,
1.3720

■ 42.3966, 66.9706,
31.8381

■ 1.4292, 4.5754,
0.1197

■ 58.4270, 88.7817,
45.9246

■ 0.2769, 2.0004,
0.0000

■ 78.0610, 114.8783,
63.6521

■ 0.0000, 0.6077,
0.0000

■ 101.6638,
145.6449, 85.4392

■ 0.0000, 0.0000,
0.0000

■ 129.6010,

181.4659, 111.7044

162.2377,
222.7257, 142.8662

■ 12.2733, 23.4070,
7.2393

■ 12.2733, 23.4070,
7.2393

■ 12.1085, 23.3332,
6.7612

■ 12.7855, 23.6406,
8.6673

■ 13.5487, 23.9965,
10.4001

■ 14.6037, 24.4960,
12.4555

■ 15.9796, 25.1538,
14.8491

■ 17.7016, 25.9825,
17.5955

■ 19.7923, 26.9936,
20.7083

■ 22.2725, 28.1974,
24.2004

■ 25.1610, 29.6035,
28.0843

■ 28.4759, 31.2209,
32.3716

Harmonies

Analogous

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



16.9190, 23.4070, 2.7912



12.2733, 23.4070, 7.2393



10.3846, 23.4070, 20.3728

Triad

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



12.2733, 23.4070, 7.2393



20.3821, 23.4070, 96.8895



39.2787, 23.4070, 12.1848

Complementary

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



12.2733, 23.4070, 7.2393



16.0459, 8.0621, 14.6201

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.



40.8256, 23.4070, 31.3909



12.2733, 23.4070, 7.2393



28.5920, 23.4070, 89.7783

Square

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



12.2733, 23.4070, 7.2393



14.2964, 23.4070, 77.6384



36.5398, 23.4070, 61.6870



32.7065, 23.4070, 4.2489

Rectangle

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



12.2733, 23.4070, 7.2393



10.5333, 23.4070, 36.2092



36.5398, 23.4070, 61.6870



40.4580, 23.4070, 17.1215

Sweetspot

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



12.2739, 23.4080, 7.2398



38.8091, 50.4195, 41.6749



17.6686, 26.2595, 4.3096



8.3806, 11.2163, 8.8631



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.2739, 23.4080, 7.2398



21.9165, 42.3533, 11.8670



15.4534, 24.6798, 23.9831



6.2090, 6.9563, 7.0238



9.8795, 19.0153, 5.5862



0.1629, 0.2904, 0.1637

Inverse Universe

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



16.0459, 8.0621, 14.6201



28.7579, 14.2997, 25.0894



13.6685, 7.1111, 2.1008



6.3777, 6.2902, 7.3690



12.9553, 6.4364, 11.5557



0.2100, 0.1027, 0.2586

Previews

White Background



This preview shows how the XYZ color 12.2733, 23.4070, 7.2393 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 12.2733, 23.4070, 7.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

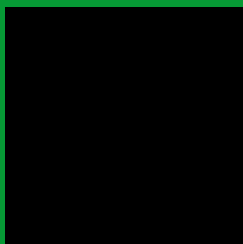
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.2733, 23.4070, 7.2393

Background



This preview shows how black text looks on a background with the XYZ color 12.2733, 23.4070, 7.2393.



This preview shows how white text looks on a background with the XYZ color 12.2733, 23.4070,

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

12.2733, 23.4070, 7.2393

Protanopia

20.9771, 23.0037, 6.0239

Deuteranopia

23.4346, 23.0560, 7.7726



Tritanopia

17.9606, 23.3710, 35.0169

Trichromacy



Original Color

12.2733, 23.4070, 7.2393



Protanomaly

14.7563, 21.4647, 6.2711



Deuteranomaly

15.5374, 20.9883, 7.3699



Tritanomaly

14.8745, 23.0040, 21.1090

Monochromacy



Original Color

12.2733, 23.4070, 7.2393



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.1814, 14.6899, 10.2815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2733, 23.4070, 7.2393 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(6, 154, 53)` looks like.

```
.text, #text, p{  
    color:rgb(6, 154, 53)  
}
```

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(6, 154, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 154, 53) }
```

Border

The CSS property to change the border of an element to XYZ 12.2733, 23.4070, 7.2393 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(6, 154, 53) }
```


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

```
.border{ border-color:rgb(6, 154, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 154, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 154, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 154, 53);  
box-shadow:4px 4px 4px 4px rgb(6, 154, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2733, 23.4070, 7.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 154, 53) }
```

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

```
.background{ background-color: rgb(6, 154,  
53) }
```

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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