

Converting Colors

XYZ(23.3891, 33.2515, 11.2017)

Have a look what the booklet for
XYZ(23.3891, 33.2515, 11.2017)
contains.

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Color

**XYZ(23.3972, 33.2693,
11.1497)**

Conversions

Conversions Part 1

Format	Color
Hex	79AA47
RGB	121, 170, 71
RGB Percent	47%, 67%, 28%
CMY	0.5255, 0.3333, 0.7216
CMYK	0.29, 0.00, 0.58, 0.33
HSL	90°, 41%, 47%
HSV	90°, 58%, 67%
XYZ	23.3972, 33.2693, 11.1497
YIQ	144.0630, 2.5750, -41.1770

Conversions

Conversions Part 2

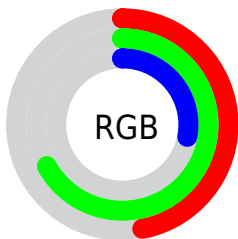
Format	Color
RYB	71, 170, 120
Decimal	7973447
CIELab	64.38, -33.10, 45.01
CIELCh	64, 55.873, 126.325
Yxy	33.2693, 0.3450, 0.4906
Android (android.graphics.Color)	4286163527 (0xFF79AA47)
YUV	144.0630, -36.0201, -20.2263
Hunter-Lab	57.6795, -28.5323, 28.9147

Details

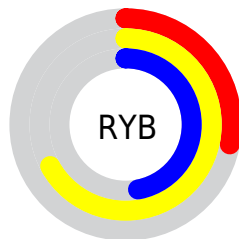
The XYZ color **23.3972, 33.2693, 11.1497** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.2561, 11.4028, 39.3235**, and the grayscale version is **26.6753, 28.0645, 30.5622**.

A 20% lighter version of the original color is **48.6760, 65.0529, 28.7299**, and **8.8544, 13.9952, 2.8069** is the 20% darker color. If you saturate the color by 10%, you get **21.7981, 32.5005, 8.6147**, and if you desaturate by 10%, it is **25.2534, 34.1552, 14.4948**.

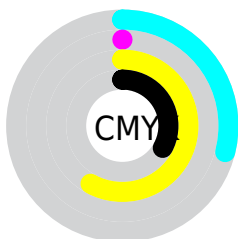
Distribution



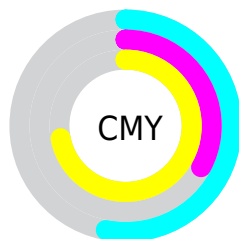
- Red (47%)
- Green (67%)
- Blue (28%)



- Red (28%)
- Yellow (67%)
- Blue (47%)



- Cyan (29%)
- Magenta (0%)
- Yellow (58%)
- Black (33%)



- Cyan (53%)
- Magenta (33%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3972, 33.2693, 11.1497 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 23.3972, 33.2693, 11.1497 by changing the saturation by 10% instead.

■ 23.3972, 33.2693,
11.1497

■ 23.3972, 33.2693,
11.1497

262.2560,
316.8615, 209.4659

■ 15.0094, 22.3328,
6.0522

■ 48.5066, 64.7957,
28.5775

■ 8.9123, 14.1017,
2.8075

■ 65.9589, 86.1545,
41.7449

■ 4.7407, 8.1914,
0.9972

■ 87.1633, 111.7562,
58.4393

■ 2.1291, 4.2177,
0.0000

■ 112.4853,
141.9851, 79.0793

■ 0.7050, 1.7961,
0.0000

■ 142.2902,
177.2257, 104.0834

■ 0.0000, 0.4847,
0.0000

176.9434,

■ 0.0000, 0.0000,

217.8623, 133.8702

0.0000

216.8102,
264.2795, 168.8582

■ 23.3972, 33.2693,
11.1497

■ 23.3972, 33.2693,
11.1497

■ 21.7981, 32.5005,
8.6147

■ 25.2534, 34.1552,
14.4948

■ 20.4381, 31.8377,
6.8185

■ 27.3785, 35.1596,
18.7091

■ 19.2999, 31.2749,
5.6814

■ 29.7861, 36.2895,
23.8483

■ 18.3542, 30.8001,
5.0638

■ 32.4883, 37.5500,
29.9633

■ 18.1998, 30.7224,
4.9708

■ 35.4961, 38.9457,
37.1010

■ 38.8201, 40.4812,
45.3054

■ 42.4704, 42.1606,
54.6177

■ 46.4564, 43.9881,
65.0773

■ 50.7872, 45.9674,
76.7213

Harmonies

Analogous

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



29.9657, 33.2693, 7.7966



23.3972, 33.2693, 11.1497



19.5779, 33.2693, 21.3260

Triad

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



23.3972, 33.2693, 11.1497



25.8677, 33.2693, 92.9912



49.3944, 33.2693, 31.6086

Complementary

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



23.3972, 33.2693, 11.1497



17.2561, 11.4028, 39.3235

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.



47.8038, 33.2693, 56.8195



23.3972, 33.2693, 11.1497



33.3371, 33.2693, 99.5527

Square

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



23.3972, 33.2693, 11.1497



20.8280, 33.2693, 68.8708



41.5772, 33.2693, 84.2314



45.6178, 33.2693, 15.9755

Rectangle

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



23.3972, 33.2693, 11.1497



18.6796, 33.2693, 33.4886



41.5772, 33.2693, 84.2314



49.4774, 33.2693, 39.1058

Sweetspot

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



23.3980, 33.2708, 11.1504



59.4256, 68.3514, 55.4830



24.2952, 22.1602, 8.9586



13.0287, 15.1387, 11.8548



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.



23.3980, 33.2708, 11.1504



38.7551, 58.5809, 14.5051



18.2343, 30.6088, 10.9088



7.7843, 8.5869, 8.0364



13.4518, 22.6319, 3.6594



0.3862, 0.5810, 0.0918

Inverse Universe

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



17.2561, 11.4028, 39.3235



26.5467, 15.1050, 70.5183



25.7333, 15.7730, 39.7202



7.4722, 7.4760, 9.4675



8.1008, 3.5596, 28.2356



0.2563, 0.1171, 0.6897

Previews

White Background



This preview shows how the XYZ color 23.3972, 33.2693, 11.1497 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 23.3972, 33.2693, 11.1497 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 23.3972, 33.2693, 11.1497

Background



This preview shows how black text looks on a background with the XYZ color 23.3972, 33.2693, 11.1497.



This preview shows how white text looks on a background with the XYZ color 23.3972, 33.2693,

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

23.3972, 33.2693, 11.1497

Protanopia

30.1352, 33.0664, 10.1044

Deuteranopia

33.4153, 32.7920, 11.5895



Tritanopia

30.0089, 33.2711, 43.8700

Trichromacy



Original Color

23.3972, 33.2693, 11.1497

Protanomaly

27.1147, 32.7771, 10.3664

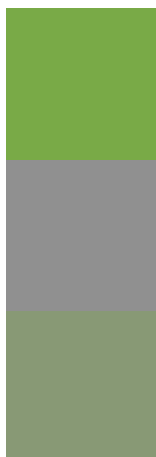
Deuteranomaly

28.8844, 32.3919, 11.3865

Tritanomaly

26.8546, 33.0460, 27.8848

Monochromacy



Original Color

23.3972, 33.2693, 11.1497

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.7555, 29.3011, 21.1805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3972, 33.2693, 11.1497 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(121, 170, 71)` looks like.

```
.text, #text, p{  
    color:rgb(121, 170, 71)  
}
```

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(121, 170, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 170, 71) }
```

Border

The CSS property to change the border of an element to XYZ 23.3972, 33.2693, 11.1497 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(121, 170, 71) }
```


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

```
.border{ border-color:rgb(121, 170, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 170, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 170, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 170, 71);  
box-shadow:4px 4px 4px 4px rgb(121, 170,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3972, 33.2693, 11.1497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 170, 71) }
```

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

```
.background{ background-color: rgb(121,  
170, 71) }
```

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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