

Converting Colors

XYZ(23.8067, 28.9916, 10.7002)

Have a look what the booklet for
XYZ(23.8067, 28.9916, 10.7002)
contains.

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Color

**XYZ(23.7492, 29.0143,
10.6519)**

Conversions

Conversions Part 1

Format	Color
Hex	8E9949
RGB	142, 153, 73
RGB Percent	56%, 60%, 29%
CMY	0.4431, 0.4000, 0.7137
CMYK	0.07, 0.00, 0.52, 0.40
HSL	68°, 35%, 44%
HSV	68°, 52%, 60%
XYZ	23.7492, 29.0143, 10.6519
YIQ	140.5910, 19.1240, -27.2120

Conversions

Conversions Part 2

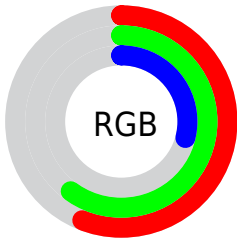
Format	Color
RYB	73, 153, 84
Decimal	9345353
CIELab	60.79, -16.08, 40.25
CIELCh	61, 43.344, 111.783
Yxy	29.0143, 0.3745, 0.4575
Android (android.graphics.Color)	4287535433 (0xFF8E9949)
YUV	140.5910, -33.3224, 1.2357
Hunter-Lab	53.8649, -15.5625, 25.9807

Details

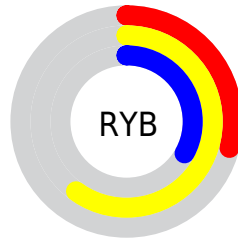
The XYZ color **23.7492, 29.0143, 10.6519** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.7895, 8.9505, 31.2449**, and the grayscale version is **25.2789, 26.5954, 28.9624**.

A 20% lighter version of the original color is **48.9769, 57.9512, 27.6731**, and **9.1225, 11.7383, 2.5955** is the 20% darker color. If you saturate the color by 10%, you get **22.9457, 28.6526, 8.2844**, and if you desaturate by 10%, it is **24.6858, 29.4321, 13.6782**.

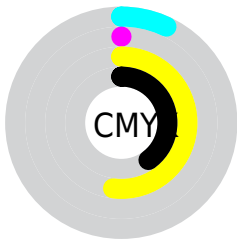
Distribution



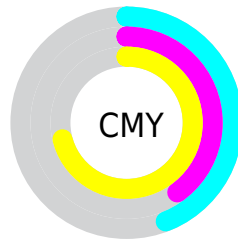
- Red (56%)
- Green (60%)
- Blue (29%)



- Red (29%)
- Yellow (60%)
- Blue (33%)



- Cyan (7%)
- Magenta (0%)
- Yellow (52%)
- Black (40%)



- Cyan (44%)
- Magenta (40%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7492, 29.0143, 10.6519 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 23.7492, 29.0143, 10.6519 by changing the saturation by 10% instead.

■ 23.7492, 29.0143,
10.6519

■ 23.7492, 29.0143,
10.6519

264.0141,
297.2824, 205.9145

■ 15.2714, 19.0916,
5.7221

■ 49.0783, 58.0998,
27.6414

■ 9.0976, 11.7365,
2.6108

■ 66.6603, 78.0314,
40.5381

■ 4.8625, 6.5645,
0.8980

■ 88.0077, 102.0682,
56.9276

■ 2.2008, 3.1913,
0.0000

■ 113.4860,
130.5944, 77.2283

■ 0.7431, 1.2324,
0.0000

■ 143.4604,
163.9946, 101.8588

■ 0.0000, 0.0879,
0.0000

178.2963,

■ 0.0000, 0.0000,

202.6530, 131.2377

0.0000

218.3591,
246.9542, 165.7834

■ 23.7492, 29.0143,
10.6519

■ 23.7492, 29.0143,
10.6519

■ 22.9457, 28.6526,
8.2844

■ 24.6858, 29.4321,
13.6782

■ 22.2637, 28.3393,
6.5249

■ 25.7617, 29.9054,
17.4057

■ 21.6934, 28.0714,
5.3180

■ 26.9854, 30.4385,
21.8752

■ 21.2221, 27.8439,
4.5973

■ 28.3639, 31.0344,
27.1241

■ 20.9012, 27.6860,
4.2423

■ 29.9040, 31.6957,
33.1870

■ 31.6117, 32.4250,
40.0966

■ 33.4931, 33.2244,
47.8837

■ 35.5537, 34.0964,
56.5777

■ 37.7988, 35.0430,
66.2065

Harmonies

Analogous

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



29.1546, 29.0143, 9.7591



23.7492, 29.0143, 10.6519



19.9114, 29.0143, 16.0227

Triad

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



23.7492, 29.0143, 10.6519



21.4036, 29.0143, 62.7749



39.7489, 29.0143, 36.2364

Complementary

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



23.7492, 29.0143, 10.6519



11.7895, 8.9505, 31.2449

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.



36.9944, 29.0143, 54.9346



23.7492, 29.0143, 10.6519



26.0578, 29.0143, 73.3225

Square

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



23.7492, 29.0143, 10.6519



18.6912, 29.0143, 44.5606



31.7960, 29.0143, 70.0471



38.9097, 29.0143, 21.4201

Rectangle

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



23.7492, 29.0143, 10.6519



18.5138, 29.0143, 22.8514



31.7960, 29.0143, 70.0471



39.2005, 29.0143, 42.3170

Sweetspot

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



23.7499, 29.0156, 10.6525



49.7651, 55.1323, 44.6148



17.4850, 13.5431, 7.9962



10.8870, 12.1298, 9.4648



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.7499, 29.0156, 10.6525



40.8351, 51.1941, 14.1361



18.1122, 26.1093, 10.3887



6.6254, 7.1798, 6.6425



17.2941, 22.8913, 3.5070



0.2787, 0.3526, 0.0534

Inverse Universe

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



11.7895, 8.9505, 31.2449



17.0164, 11.1777, 55.2326



16.3973, 11.3259, 31.4606



5.9596, 6.0651, 7.7855



5.0263, 2.0422, 25.0370



0.0930, 0.0397, 0.3751

Previews

White Background



This preview shows how the XYZ color 23.7492, 29.0143, 10.6519 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 23.7492, 29.0143, 10.6519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

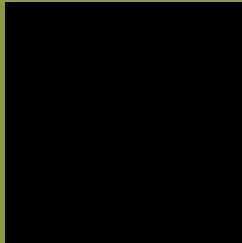
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7492, 29.0143, 10.6519

Background



This preview shows how black text looks on a background with the XYZ color 23.7492, 29.0143, 10.6519.



This preview shows how white text looks on a background with the XYZ color 23.7492, 29.0143,

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

23.7492, 29.0143, 10.6519

Protanopia

26.4713, 29.0038, 10.1643

Deuteranopia

29.5050, 28.9813, 10.8763



Tritanopia

28.6522, 28.8924, 35.0770

Trichromacy



Original Color

23.7492, 29.0143, 10.6519

Protanomaly

25.4347, 28.9313, 10.3746

Deuteranomaly

27.1213, 28.8658, 10.7988

Tritanomaly

26.3481, 28.6440, 23.5422

Monochromacy



Original Color

23.7492, 29.0143, 10.6519

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.2623, 27.1745, 20.4894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7492, 29.0143, 10.6519 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(142, 153, 73)` looks like.

```
.text, #text, p{  
    color:rgb(142, 153, 73)  
}
```

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(142, 153, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 153, 73) }
```

Border

The CSS property to change the border of an element to XYZ 23.7492, 29.0143, 10.6519 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(142, 153, 73) }
```


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

```
.border{ border-color:rgb(142, 153, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 153, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 153, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 153, 73);  
box-shadow:4px 4px 4px 4px rgb(142, 153,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7492, 29.0143, 10.6519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 153, 73) }
```

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

```
.background{ background-color: rgb(142,  
153, 73) }
```

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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