

Converting Colors

XYZ(23.0812, 28.2540, 3.8247)

Have a look what the booklet for
XYZ(23.0812, 28.2540, 3.8247)
contains.

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Color

**XYZ(23.2794, 28.4291,
4.2604)**

Conversions

Conversions Part 1

Format	Color
Hex	949700
RGB	148, 151, 0
RGB Percent	58%, 59%, 0%
CMY	0.4196, 0.4078, 1.0000
CMYK	0.02, 0.00, 1.00, 0.41
HSL	61°, 100%, 30%
HSV	61°, 100%, 59%
XYZ	23.2794, 28.4291, 4.2604
YIQ	132.8890, 46.6830, -47.5970

Conversions

Conversions Part 2

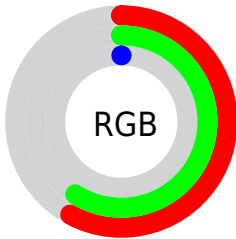
Format	Color
RYB	0, 151, 3
Decimal	9737984
CIELab	60.27, -15.93, 63.61
CIELCh	60, 65.575, 104.064
Yxy	28.4291, 0.4159, 0.5079
Android (android.graphics.Color)	4287928064 (0xFF949700)
YUV	132.8890, -65.5143, 13.2523
Hunter-Lab	53.3189, -15.3739, 32.5858

Details

The XYZ color **23.2794, 28.4291, 4.2604** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.6241, 2.2542, 29.4186**, and the grayscale version is **22.4741, 23.6445, 25.7489**.

A 20% lighter version of the original color is **48.4546, 57.2523, 14.6279**, and **9.0714, 11.4415, 1.7303** is the 20% darker color. If you saturate the color by 10%, you get **23.2799, 28.4304, 4.2606**, and if you desaturate by 10%, it is **23.4214, 28.4933, 4.7215**.

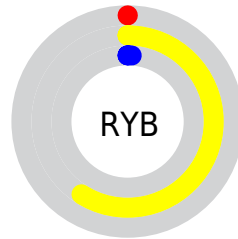
Distribution



Red (58%)

Green (59%)

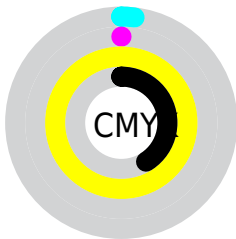
Blue (0%)



Red (0%)

Yellow (59%)

Blue (1%)

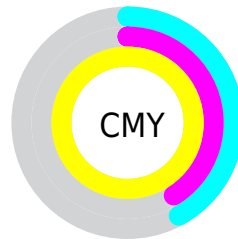


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (42%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2794, 28.4291, 4.2604 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 23.2794, 28.4291, 4.2604 by changing the saturation by 10% instead.

■ 23.2794, 28.4291,
4.2604

■ 23.2794, 28.4291,
4.2604

261.6654,
294.5117, 151.0772

■ 14.9218, 18.6494,
1.7693

■ 48.3150, 57.1688,
14.6060

■ 8.8505, 11.4172,
0.4076

■ 65.7237, 76.8976,
23.2975

■ 4.7001, 6.3482,
0.0000

■ 86.8801, 100.7114,
34.8930

■ 2.1053, 3.0579,
0.0000

■ 112.1495,
128.9949, 49.8108

■ 0.6921, 1.1621,
0.0000

■ 141.8975,
162.1322, 68.4696

■ 0.0000, 0.0304,
0.0000

■ 176.4892,

■ 0.0000, 0.0000,

200.5078, 91.2879

0.0000

216.2901,
244.5062, 118.6842

23.2794, 28.4291,
4.2604

23.2794, 28.4291,
4.2604

23.2799, 28.4304,
4.2606

23.4214, 28.4933,
4.7215

23.6260, 28.5814,
5.5141

23.9234, 28.7067,
6.7944

24.3251, 28.8737,
8.6236

24.8412, 29.0865,
11.0542

■ 25.4804, 29.3485,
14.1325

■ 26.2506, 29.6630,
17.9001

■ 27.1592, 30.0328,
22.3953

■ 28.2128, 30.4607,
27.6537

Harmonies

Analogous

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



31.7079, 28.4291, 4.3657



23.2794, 28.4291, 4.2604



17.2642, 28.4291, 8.1792

Triad

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



23.2794, 28.4291, 4.2604



16.9885, 28.4291, 75.6163



45.7404, 28.4291, 45.4884

Complementary

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



23.2794, 28.4291, 4.2604



5.6241, 2.2542, 29.4186

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.



39.8974, 28.4291, 77.5737



23.2794, 28.4291, 4.2604



22.8204, 28.4291, 100.2410

Square

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



23.2794, 28.4291, 4.2604



14.1760, 28.4291, 43.6252



31.1435, 28.4291, 101.1007



45.9350, 28.4291, 21.0106

Rectangle

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



23.2794, 28.4291, 4.2604



14.9331, 28.4291, 14.7977



31.1435, 28.4291, 101.1007



44.3249, 28.4291, 55.9449

Sweetspot

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



23.2800, 28.4304, 4.2610



46.9180, 53.0827, 31.6078



12.7908, 6.6346, 0.6068



10.5370, 12.0133, 6.5616



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.



23.2800, 28.4304, 4.2610



41.6697, 50.9024, 7.6289



13.8143, 23.5507, 3.8180



6.6968, 7.2166, 6.6458



19.8067, 24.1866, 3.6246



0.2994, 0.3633, 0.0543

Inverse Universe

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



5.6241, 2.2542, 29.4186



10.0526, 4.0267, 52.6811



8.7303, 3.8555, 29.5639



5.8953, 6.0319, 7.7825



4.7870, 1.9188, 25.0258



0.0742, 0.0301, 0.3743

Previews

White Background



This preview shows how the XYZ color 23.2794, 28.4291, 4.2604 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 23.2794, 28.4291, 4.2604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

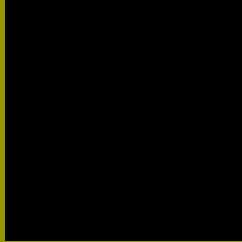
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2794, 28.4291, 4.2604

Background



This preview shows how black text looks on a background with the XYZ color 23.2794, 28.4291, 4.2604.



This preview shows how white text looks on a background with the XYZ color 23.2794, 28.4291,

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

23.2794, 28.4291, 4.2604

Protanopia

25.5887, 28.4503, 4.1428

Deuteranopia

28.7716, 28.3061, 4.7578



Tritanopia

29.0645, 28.2596, 33.2009

Trichromacy



Original Color

23.2794, 28.4291, 4.2604

Protanomaly

24.6905, 28.4489, 4.1899

Deuteranomaly

26.4862, 28.2255, 4.5040

Tritanomaly

25.4110, 27.6611, 15.0661

Monochromacy



Original Color

23.2794, 28.4291, 4.2604

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.4990, 24.8153, 12.2510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2794, 28.4291, 4.2604 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(148, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 151, 0)  
}
```

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(148, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 151, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.2794, 28.4291, 4.2604 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(148, 151, 0) }
```


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

```
.border{ border-color:rgb(148, 151, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 151, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 151,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2794, 28.4291, 4.2604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 151, 0) }
```

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

```
.background{ background-color: rgb(148,  
151, 0) }
```

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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