

Converting Colors

XYZ(23.7572, 28.0129, 4.1549)

Have a look what the booklet for
XYZ(23.7572, 28.0129, 4.1549)
contains.

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Color

**XYZ(23.7268, 27.9521,
4.1448)**

Conversions

Conversions Part 1

Format	Color
Hex	999400
RGB	153, 148, 0
RGB Percent	60%, 58%, 0%
CMY	0.4000, 0.4196, 0.9999
CMYK	0.00, 0.03, 1.00, 0.40
HSL	58°, 100%, 30%
HSV	58°, 100%, 60%
XYZ	23.7268, 27.9521, 4.1448
YIQ	132.6230, 50.4880, -44.9680

Conversions

Conversions Part 2

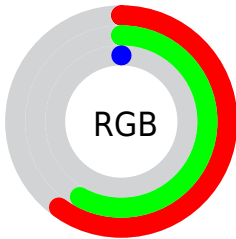
Format	Color
R_{YB}	5, 153, 0
Decimal	10064896
CIE Lab	59.85, -12.09, 63.49
CIE LCh	60, 64.631, 100.785
Yxy	27.9521, 0.4250, 0.5007
Android (android.graphics.Color)	4288254976 (0xFF999400)
YUV	132.6230, -65.3831, 17.8706
Hunter-Lab	52.8697, -12.4151, 32.3607

Details

The XYZ color **23.7268, 27.9521, 4.1448** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.8043, 2.4087, 30.2958**, and the grayscale version is **22.3756, 23.5408, 25.6360**.

A 20% lighter version of the original color is **49.1218, 56.5449, 14.2865**, and **9.4047, 11.3320, 1.6916** is the 20% darker color. If you saturate the color by 10%, you get **23.7273, 27.9533, 4.1450**, and if you desaturate by 10%, it is **23.8944, 28.1459, 4.6371**.

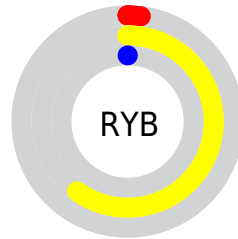
Distribution



Red (60%)

Green (58%)

Blue (0%)



Red (2%)

Yellow (60%)

Blue (0%)

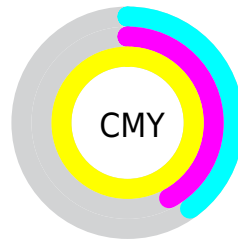


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7268, 27.9521, 4.1448 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 23.7268, 27.9521, 4.1448 by changing the saturation by 10% instead.


 23.7268, 27.9521,
4.1448


 23.7268, 27.9521,
4.1448


263.9025,
292.2380, 149.8215


 15.2547, 18.2896,
1.7051


 49.0419, 56.4080,
14.3424

 9.0858, 11.1581,
0.3642


 66.6157, 75.9701,
22.9373

 4.8548, 6.1733,
0.0000

 87.9541, 99.6008,
34.4211

 2.1962, 2.9507,
0.0000

 113.4224,
127.6846, 49.2123

 0.7407, 1.1061,
0.0000

 143.3861,
160.6058, 67.7293

 0.0000, 0.0000,
0.0000

 178.2104,

198.7488, 90.3909

218.2608,
242.4981, 117.6154

23.7268, 27.9521,
4.1448

23.7268, 27.9521,
4.1448

23.7273, 27.9533,
4.1450

23.8944, 28.1459,
4.6371

24.1270, 28.3651,
5.4732

24.4554, 28.6232,
6.8117

24.8916, 28.9250,
8.7162

25.4459, 29.2745,
11.2408

■ 26.1273, 29.6755,
14.4333

■ 26.9441, 30.1311,
18.3369

■ 27.9037, 30.6444,
22.9911

■ 29.0131, 31.2182,
28.4326

Harmonies

Analogous

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



32.0981, 27.9521, 4.6160



23.7268, 27.9521, 4.1448



17.5468, 27.9521, 7.4582

Triad

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



23.7268, 27.9521, 4.1448



16.3338, 27.9521, 70.4542



44.3974, 27.9521, 47.8336

Complementary

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



23.7268, 27.9521, 4.1448



5.8043, 2.4087, 30.2958

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.



38.2469, 27.9521, 78.9850



23.7268, 27.9521, 4.1448



21.7119, 27.9521, 96.0296

Square

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



23.7268, 27.9521, 4.1448



13.9004, 27.9521, 39.6846



29.6266, 27.9521, 99.7704



45.2469, 27.9521, 22.7475

Rectangle

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



23.7268, 27.9521, 4.1448



15.0515, 27.9521, 13.2954



29.6266, 27.9521, 99.7704



42.8297, 27.9521, 58.2014

Sweetspot

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



23.7274, 27.9534, 4.1454



48.1590, 53.9098, 32.3817



13.1650, 6.7838, 0.7624



10.5043, 11.8323, 6.5284



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.



23.7274, 27.9534, 4.1454



42.4654, 50.0060, 7.4140



14.8368, 24.5586, 3.9587



6.6916, 7.1883, 6.6406



19.6152, 23.1128, 3.4274



0.2979, 0.3548, 0.0528

Inverse Universe

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



5.8043, 2.4087, 30.2958



10.3677, 4.2599, 54.2478



8.3784, 3.6552, 30.4008



5.8998, 6.0570, 7.7871



4.8018, 2.0002, 25.0407



0.0756, 0.0375, 0.3756

Previews

White Background



This preview shows how the XYZ color 23.7268, 27.9521, 4.1448 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 23.7268, 27.9521, 4.1448 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 23.7268, 27.9521, 4.1448

Background



This preview shows how black text looks on a background with the XYZ color 23.7268, 27.9521, 4.1448.

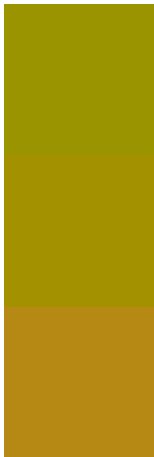


This preview shows how white text looks on a background with the XYZ color 23.7268, 27.9521,

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

23.7268, 27.9521, 4.1448

Protanopia

25.2297, 28.0373, 4.0820

Deuteranopia

28.3724, 27.8905, 4.5975



Tritanopia

29.3341, 27.9965, 31.8748

Trichromacy



Original Color

23.7268, 27.9521, 4.1448

Protanomaly

24.5770, 27.9287, 4.0954

Deuteranomaly

26.3921, 27.7367, 4.3435

Tritanomaly

25.9915, 27.5251, 14.5326

Monochromacy



Original Color

23.7268, 27.9521, 4.1448

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.5434, 24.4083, 12.1701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7268, 27.9521, 4.1448 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(153, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 148, 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(153, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.7268, 27.9521, 4.1448 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(153, 148, 0) }
```


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

```
.border{ border-color:rgb(153, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7268, 27.9521, 4.1448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 148, 0) }
```

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

```
.background{ background-color: rgb(153,  
148, 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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