

Converting Colors

XYZ(23.0927, 27.2149, 7.1473)

Have a look what the booklet for
XYZ(23.0927, 27.2149, 7.1473)
contains.

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Color

**XYZ(23.2440, 27.4024,
7.1961)**

Conversions

Conversions Part 1

Format	Color
Hex	949333
RGB	148, 147, 51
RGB Percent	58%, 58%, 20%
CMY	0.4196, 0.4235, 0.8000
CMYK	0.00, 0.01, 0.66, 0.42
HSL	59°, 49%, 39%
HSV	59°, 66%, 58%
XYZ	23.2440, 27.4024, 7.1961
YIQ	136.3550, 31.4120, -29.6440

Conversions

Conversions Part 2

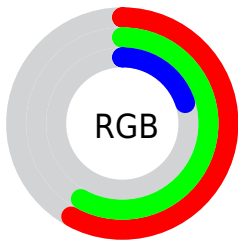
Format	Color
RYB	52, 148, 51
Decimal	9737011
CIELab	59.34, -12.09, 49.04
CIELCh	59, 50.511, 103.845
Yxy	27.4024, 0.4018, 0.4737
Android (android.graphics.Color)	4287927091 (0xFF949333)
YUV	136.3550, -42.0800, 10.2127
Hunter-Lab	52.3473, -12.3476, 28.4926

Details

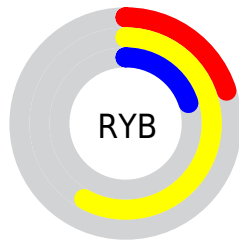
The XYZ color **23.2440, 27.4024, 7.1961** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9386, 5.2978, 28.6209**, and the grayscale version is **23.6805, 24.9137, 27.1310**.

A 20% lighter version of the original color is **48.2367, 55.5899, 21.0195**, and **8.8908, 10.9291, 1.6409** is the 20% darker color. If you saturate the color by 10%, you get **22.9450, 27.2461, 5.7351**, and if you desaturate by 10%, it is **23.6482, 27.6029, 9.2054**.

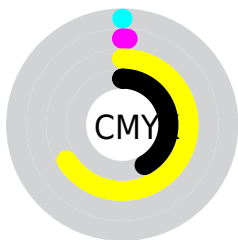
Distribution



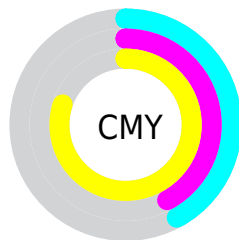
- Red (58%)
- Green (58%)
- Blue (20%)



- Red (20%)
- Yellow (58%)
- Blue (20%)



- Cyan (0%)
- Magenta (1%)
- Yellow (66%)
- Black (42%)



- Cyan (42%)
- Magenta (42%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2440, 27.4024, 7.1961 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 23.2440, 27.4024, 7.1961 by changing the saturation by 10% instead.

■ 23.2440, 27.4024,
7.1961

■ 23.2440, 27.4024,
7.1961

261.4878,
289.6002, 178.9756

■ 14.8955, 17.8757,
3.5047

■ 48.2574, 55.5289,
20.8862

■ 8.8319, 10.8608,
1.3578

■ 65.6529, 74.8975,
31.7220

■ 4.6879, 5.9733,
0.1085

■ 86.7949, 98.3155,
45.7764

■ 2.0982, 2.8288,
0.0000

■ 112.0485,
126.1672, 63.4679

■ 0.6882, 1.0430,
0.0000

■ 141.7793,
158.8372, 85.2150

■ 0.0000, 0.0000,
0.0000

■ 176.3525,

196.7098, 111.4363

216.1336,
240.1693, 142.5503

■ 23.2440, 27.4024,
7.1961

■ 23.2440, 27.4024,
7.1961

■ 22.9450, 27.2461,
5.7351

■ 23.6482, 27.6029,
9.2054

■ 22.7390, 27.1260,
4.7666

■ 24.1647, 27.8473,
11.8082

■ 22.6125, 27.0377,
4.2166

■ 24.8019, 28.1402,
15.0472

■ 22.5658, 27.0023,
4.0226

■ 25.5673, 28.4842,
18.9603

■ 26.4673, 28.8823,
23.5829

■ 27.5084, 29.3367,
28.9475

■ 28.6962, 29.8500,
35.0849

■ 30.0362, 30.4241,
42.0241

■ 31.5338, 31.0614,
49.7923

Harmonies

Analogous

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



29.5749, 27.4024, 7.3377



23.2440, 27.4024, 7.1961



18.5014, 27.4024, 11.1165

Triad

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



23.2440, 27.4024, 7.1961



18.2269, 27.4024, 61.0223



39.5485, 27.4024, 40.6058

Complementary

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



23.2440, 27.4024, 7.1961



7.9386, 5.2978, 28.6209

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.



35.4029, 27.4024, 62.6350



23.2440, 27.4024, 7.1961



22.8081, 27.4024, 77.3058

Square

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



23.2440, 27.4024, 7.1961



15.9378, 27.4024, 38.9639



29.0628, 27.4024, 77.9929



39.7162, 27.4024, 22.2590

Rectangle

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



23.2440, 27.4024, 7.1961



16.5889, 27.4024, 16.9742



29.0628, 27.4024, 77.9929



38.5471, 27.4024, 47.9580

Sweetspot

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



23.2446, 27.4037, 7.1967



45.8983, 50.6082, 37.4863



14.0305, 8.9173, 4.3042



10.3867, 11.5125, 8.0906



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.2446, 27.4037, 7.1967



40.2831, 47.9602, 9.1561



16.5675, 24.1922, 6.9287



6.2604, 6.7346, 6.2104



19.2763, 23.0671, 3.4364



0.2373, 0.2850, 0.0425

Inverse Universe

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



7.9386, 5.2978, 28.6209



11.1307, 5.8626, 49.9795



11.5538, 7.0963, 28.7775



5.5040, 5.6419, 7.2686



4.5811, 1.8570, 24.0480



0.0570, 0.0246, 0.2947

Previews

White Background



This preview shows how the XYZ color 23.2440, 27.4024, 7.1961 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 23.2440, 27.4024, 7.1961 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 23.2440, 27.4024, 7.1961

Background



This preview shows how black text looks on a background with the XYZ color 23.2440, 27.4024, 7.1961.



This preview shows how white text looks on a background with the XYZ color 23.2440, 27.4024,

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

23.2440, 27.4024, 7.1961

Protanopia

24.8954, 27.3488, 6.9843

Deuteranopia

27.8538, 27.3491, 7.4253



Tritanopia

28.3384, 27.4832, 31.8282

Trichromacy



Original Color

23.2440, 27.4024, 7.1961

Protanomaly

24.2593, 27.2447, 6.9978

Deuteranomaly

25.9803, 27.2380, 7.3782

Tritanomaly

25.8319, 27.1120, 19.4944

Monochromacy



Original Color

23.2440, 27.4024, 7.1961

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.7431, 25.3515, 17.0592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2440, 27.4024, 7.1961 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, 147, 51)` looks like.

```
.text, #text, p{  
    color:rgb(148, 147, 51)  
}
```

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, 147, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 147, 51) }
```

Border

The CSS property to change the border of an element to XYZ 23.2440, 27.4024, 7.1961 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, 147, 51) }
```


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

```
.border{ border-color:rgb(148, 147, 51) }
```

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

Here you see how a box with a 4 pixel rgb(148, 147, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 147, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 147, 51);  
box-shadow:4px 4px 4px 4px rgb(148, 147,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2440, 27.4024, 7.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 147, 51) }
```

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

```
.background{ background-color: rgb(148,  
147, 51) }
```

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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