

Converting Colors

XYZ(27.2953, 32.9001, 4.9117)

Have a look what the booklet for
XYZ(27.2953, 32.9001, 4.9117)
contains.

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Color

**XYZ(27.4428, 33.0668,
4.9361)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A100
RGB	161, 161, 0
RGB Percent	63%, 63%, 0%
CMY	0.3686, 0.3686, 0.9999
CMYK	0.00, 0.00, 1.00, 0.37
HSL	60°, 100%, 32%
HSV	60°, 100%, 63%
XYZ	27.4428, 33.0668, 4.9361
YIQ	142.6460, 51.6810, -50.0710

Conversions

Conversions Part 2

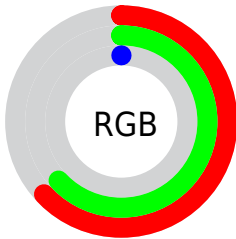
Format	Color
RYB	0, 161, 0
Decimal	10592512
CIELab	64.21, -15.28, 66.99
CIELCh	64, 68.710, 102.852
Yxy	33.0668, 0.4193, 0.5053
Android (android.graphics.Color)	4288782592 (0xFFA1A100)
YUV	142.6460, -70.3245, 16.0965
Hunter-Lab	57.5037, -15.4451, 35.1632

Details

The XYZ color **27.4428, 33.0668, 4.9361** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.4338, 2.5738, 33.8780**, and the grayscale version is **26.2255, 27.5913, 30.0469**.

A 20% lighter version of the original color is **55.0393, 64.6798, 16.2402**, and **11.4016, 14.1551, 2.1313** is the 20% darker color. If you saturate the color by 10%, you get **27.4435, 33.0683, 4.9364**, and if you desaturate by 10%, it is **27.5380, 33.1061, 5.4334**.

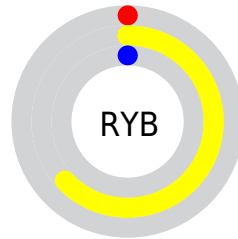
Distribution



Red (63%)

Green (63%)

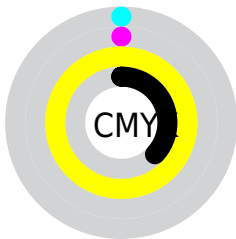
Blue (0%)



Red (0%)

Yellow (63%)

Blue (0%)

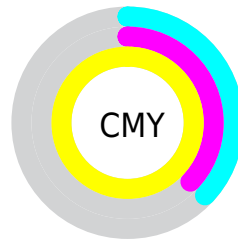


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.4428, 33.0668, 4.9361 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 27.4428, 33.0668, 4.9361 by changing the saturation by 10% instead.


 27.4428, 33.0668,
4.9361


 27.4428, 33.0668,
4.9361


281.9233,
315.9506, 158.1223


 18.0444, 22.1776,
2.1517


 55.0085, 64.4798,
16.1168


 11.0817, 13.9875,
0.6463


 73.9065, 85.7724,
25.3503

 6.1895, 8.1120,
0.0000


 96.7016, 111.3016,
37.5705

 3.0024, 4.1667,
0.0000

 123.7594,
141.4519, 53.1961

 1.1550, 1.7672,
0.0000

 155.4451,
176.6075, 72.6455

 0.0704, 0.4666,
0.0000

 192.1241,

 0.0000, 0.0000,

217.1529, 96.3373

0.0000

234.1617,
263.4725, 124.6901

27.4428, 33.0668,
4.9361

27.4428, 33.0668,
4.9361

27.4435, 33.0683,
4.9364

27.5380, 33.1061,
5.4334

27.7073, 33.1739,
6.3247

27.9838, 33.2845,
7.7801

28.3812, 33.4434,
9.8720

28.9111, 33.6554,
12.6620

■ 29.5839, 33.9246,
16.2044

■ 30.4089, 34.2546,
20.5482

■ 31.3946, 34.6489,
25.7382

■ 32.5488, 35.1106,
31.8161

Harmonies

Analogous

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



37.2835, 33.0668, 5.2181



27.4428, 33.0668, 4.9361



20.3305, 33.0668, 9.2529

Triad

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



27.4428, 33.0668, 4.9361



19.5966, 33.0668, 86.2196



52.9481, 33.0668, 54.2566

Complementary

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



27.4428, 33.0668, 4.9361



6.4338, 2.5738, 33.8780

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.



45.9720, 33.0668, 91.4120



27.4428, 33.0668, 4.9361



26.2219, 33.0668, 115.4740

Square

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



27.4428, 33.0668, 4.9361



16.4720, 33.0668, 49.3077



35.7836, 33.0668, 117.7532



53.4645, 33.0668, 25.3385

Rectangle

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



27.4428, 33.0668, 4.9361



17.5307, 33.0668, 16.6499



35.7836, 33.0668, 117.7532



51.2238, 33.0668, 66.4595

Sweetspot

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



27.4435, 33.0683, 4.9368



54.3644, 61.3065, 36.3133



14.6991, 7.5778, 0.6883



11.7892, 13.3919, 7.2599



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



27.4435, 33.0683, 4.9368



49.1459, 59.2189, 8.8401



16.0971, 27.2191, 4.4058



7.6494, 8.2373, 7.5669



21.9170, 26.4091, 3.9423



0.4605, 0.5549, 0.0828

Inverse Universe

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



6.4338, 2.5738, 33.8780



11.5211, 4.6084, 60.6688



9.7850, 4.3014, 34.0348



6.7005, 6.8600, 8.8740



5.1379, 2.0552, 27.0557



0.1080, 0.0432, 0.5685

Previews

White Background



This preview shows how the XYZ color 27.4428, 33.0668, 4.9361 looks on a white background.

Color Contrast Check

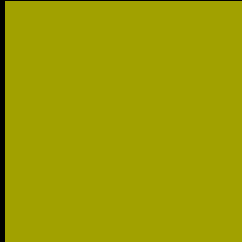
Large Text (above 18pt) WCAG AA × Fail

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 27.4428, 33.0668, 4.9361 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 27.4428, 33.0668, 4.9361

Background



This preview shows how black text looks on a background with the XYZ color 27.4428, 33.0668, 4.9361.



This preview shows how white text looks on a background with the XYZ color 27.4428, 33.0668,

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

27.4428, 33.0668, 4.9361

Protanopia

29.7930, 33.0070, 4.8007

Deuteranopia

33.5197, 32.9815, 5.4635



Tritanopia

34.3526, 33.1566, 38.3075

Trichromacy



Original Color

27.4428, 33.0668, 4.9361

Protanomaly

29.0214, 33.1116, 4.8616

Deuteranomaly

31.0059, 32.8842, 5.1650

Tritanomaly

30.1023, 32.3953, 17.2367

Monochromacy



Original Color

27.4428, 33.0668, 4.9361

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.3724, 29.0521, 14.1679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4428, 33.0668, 4.9361 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(161, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 161, 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(161, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.4428, 33.0668, 4.9361 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(161, 161, 0) }
```


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

```
.border{ border-color:rgb(161, 161, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 161,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4428, 33.0668, 4.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 161, 0) }
```

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

```
.background{ background-color: rgb(161,  
161, 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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