

Converting Colors

XYZ(27.5095, 29.7989, 7.2177)

Have a look what the booklet for
XYZ(27.5095, 29.7989, 7.2177)
contains.

XYZ(27.5065, 29.8366, 7.2150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.5065, 29.8366,
7.2150)**

Conversions

Conversions Part 1

Format	Color
Hex	A99431
RGB	169, 148, 49
RGB Percent	66%, 58%, 19%
CMY	0.3373, 0.4196, 0.8078
CMYK	0.00, 0.12, 0.71, 0.34
HSL	50°, 55%, 43%
HSV	50°, 71%, 66%
XYZ	27.5065, 29.8366, 7.2150
YIQ	142.9930, 44.2950, -26.3370

Conversions

Conversions Part 2

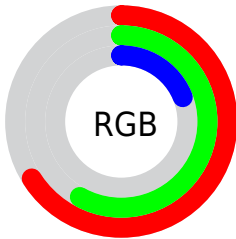
Format	Color
R_{YB}	74, 169, 49
Decimal	11113521
CIE _{Lab}	61.51, -3.38, 52.71
CIE _{LCh}	62, 52.819, 93.670
Yxy	29.8366, 0.4261, 0.4622
Android (android.graphics.Color)	4289303601 (0xFFA99431)
YUV	142.9930, -46.3385, 22.8081
Hunter-Lab	54.6229, -5.7026, 30.4046

Details

The XYZ color **27.5065, 29.8366, 7.2150** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.6182, 7.8977, 38.5007**, and the grayscale version is **26.2732, 27.6414, 30.1015**.

A 20% lighter version of the original color is **55.1480, 59.5115, 20.8922**, and **11.1777, 12.2461, 1.7746** is the 20% darker color. If you saturate the color by 10%, you get **26.7569, 28.8052, 5.5236**, and if you desaturate by 10%, it is **28.4030, 30.9480, 9.6158**.

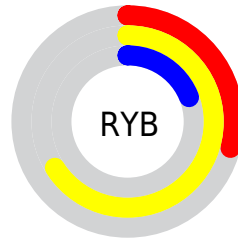
Distribution



Red (66%)

Green (58%)

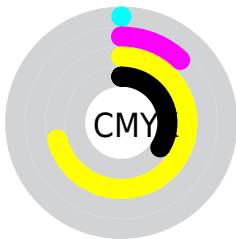
Blue (19%)



Red (29%)

Yellow (66%)

Blue (19%)

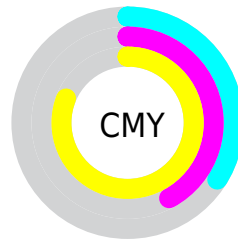


Cyan (0%)

Magenta (12%)

Yellow (71%)

Black (34%)



Cyan (34%)

Magenta (42%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5065, 29.8366, 7.2150 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 27.5065, 29.8366, 7.2150 by changing the saturation by 10% instead.

■ 27.5065, 29.8366,
7.2150

■ 27.5065, 29.8366,
7.2150

282.2242,
301.1421, 179.1366

■ 18.0925, 19.7146,
3.5164

■ 55.1097, 59.4037,
20.9246

■ 11.1165, 12.1878,
1.3640

■ 74.0297, 79.6175,
31.7728

■ 6.2131, 6.8717,
0.1134

■ 96.8491, 103.9641,
45.8412

■ 3.0170, 3.3820,
0.0000

■ 123.9332,
132.8279, 63.5485

■ 1.1628, 1.3343,
0.0000

■ 155.6475,
166.5931, 85.3131

■ 0.0767, 0.1675,
0.0000

■ 192.3571,

■ 0.0000, 0.0000,

205.6443, 111.5537

0.0000

234.4276,
250.3658, 142.6886

■ 27.5065, 29.8366,
7.2150

■ 27.5065, 29.8366,
7.2150

■ 26.7569, 28.8052,
5.5236

■ 28.4030, 30.9480,
9.6158

■ 26.1363, 27.8431,
4.4563

■ 29.4580, 32.1407,
12.7950

■ 25.6573, 27.0253,
3.8641

■ 30.6839, 33.4211,
16.8150

■ 32.0914, 34.7935,
21.7319

■ 33.6903, 36.2619,
27.5965

■ 35.4897, 37.8301,
34.4560

■ 37.4979, 39.5017,
42.3544

■ 39.7229, 41.2798,
51.3331

■ 42.1723, 43.1677,
61.4312

Harmonies

Analogous

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



34.7523, 29.8366, 8.7490



27.5065, 29.8366, 7.2150



21.5366, 29.8366, 9.8181

Triad

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



27.5065, 29.8366, 7.2150



18.5735, 29.8366, 58.8635



42.2018, 29.8366, 52.7414

Complementary

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



27.5065, 29.8366, 7.2150



10.6182, 7.8977, 38.5007

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.



36.4881, 29.8366, 76.2445



27.5065, 29.8366, 7.2150



22.8019, 29.8366, 80.6826

Square

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



27.5065, 29.8366, 7.2150



16.9429, 29.8366, 35.0157



29.2285, 29.8366, 88.0815



44.0098, 29.8366, 30.0831

Rectangle

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



27.5065, 29.8366, 7.2150



18.8448, 29.8366, 14.5932



29.2285, 29.8366, 88.0815



40.6328, 29.8366, 61.0670

Sweetspot

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



27.5072, 29.8380, 7.2156



60.2251, 64.8424, 49.0022



18.5980, 11.0868, 7.1214



12.9557, 13.9788, 10.0455



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.5072, 29.8380, 7.2156



47.2806, 50.6234, 8.7105



24.1025, 33.4229, 8.0870



8.0336, 8.5472, 8.0156



19.1570, 20.2113, 2.8915



0.4945, 0.5486, 0.0798

Inverse Universe

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



10.6182, 7.8977, 38.5007



15.3692, 9.2912, 68.2084



12.1905, 7.0878, 38.2615



7.2340, 7.5049, 9.4857



5.7041, 2.8683, 28.2285



0.1686, 0.1294, 0.6967

Previews

White Background



This preview shows how the XYZ color 27.5065, 29.8366, 7.2150 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 27.5065, 29.8366, 7.2150 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 27.5065, 29.8366, 7.2150

Background



This preview shows how black text looks on a background with the XYZ color 27.5065, 29.8366, 7.2150.



This preview shows how white text looks on a background with the XYZ color 27.5065, 29.8366,

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

27.5065, 29.8366, 7.2150

Protanopia

27.0277, 29.8236, 7.2378

Deuteranopia

30.3721, 29.7279, 7.2692



Tritanopia

32.6448, 29.6940, 32.4447

Trichromacy



Original Color

27.5065, 29.8366, 7.2150

Protanomaly

27.2382, 29.9321, 7.2476

Deuteranomaly

29.3714, 29.8801, 7.2370

Tritanomaly

30.1092, 29.5369, 19.7371

Monochromacy



Original Color

27.5065, 29.8366, 7.2150

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.8346, 28.0303, 18.5168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5065, 29.8366, 7.2150 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(169, 148, 49)` looks like.

```
.text, #text, p{  
    color:rgb(169, 148, 49)  
}
```

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(169, 148, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 148, 49) }
```

Border

The CSS property to change the border of an element to XYZ 27.5065, 29.8366, 7.2150 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(169, 148, 49) }
```


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

```
.border{ border-color:rgb(169, 148, 49) }
```

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

Here you see how a box with a 4 pixel rgb(169, 148, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 148, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 148, 49);  
box-shadow:4px 4px 4px 4px rgb(169, 148,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5065, 29.8366, 7.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 148, 49) }
```

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

```
.background{ background-color: rgb(169,  
148, 49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor