

# Converting Colors

XYZ(27.5238, 36.6080, 7.8127)

Have a look what the booklet for  
XYZ(27.5238, 36.6080, 7.8127)  
contains.

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# Color

**XYZ(27.5866, 36.6423,  
7.8092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93AE2A
RGB	147, 174, 42
RGB Percent	58%, 68%, 16%
CMY	0.4235, 0.3176, 0.8353
CMYK	0.16, 0.00, 0.76, 0.32
HSL	72°, 61%, 42%
HSV	72°, 76%, 68%
XYZ	27.5866, 36.6423, 7.8092
YIQ	150.8790, 26.2800, -46.7760

# Conversions

## Conversions Part 2

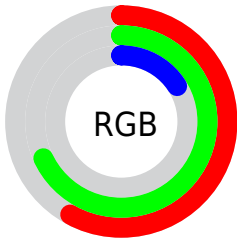
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 174, 69
Decimal	9678378
CIELab	67.01, -26.75, 60.02
CIELCh	67, 65.710, 114.017
Yxy	36.6423, 0.3829, 0.5087
Android (android.graphics.Color)	4287868458 (0xFF93AE2A)
YUV	150.8790, -53.6773, -3.4019
Hunter-Lab	60.5329, -24.5849, 34.7242

# Details

The XYZ color **27.5866, 36.6423, 7.8092** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.9235, 5.9780, 40.6247**, and the grayscale version is **29.5791, 31.1195, 33.8892**.

A 20% lighter version of the original color is **55.4033, 70.3128, 22.2069**, and **11.3732, 16.1944, 2.5264** is the 20% darker color. If you saturate the color by 10%, you get **26.7121, 36.2212, 6.4810**, and if you desaturate by 10%, it is **28.6177, 37.1310, 9.8517**.

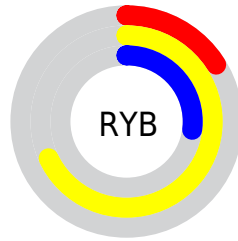
# Distribution



Red (58%)

Green (68%)

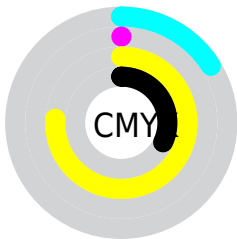
Blue (16%)



Red (16%)

Yellow (68%)

Blue (27%)

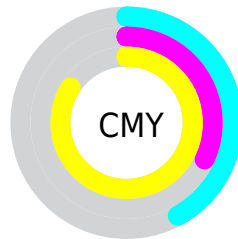


Cyan (16%)

Magenta (0%)

Yellow (76%)

Black (32%)



Cyan (42%)

Magenta (32%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5866, 36.6423, 7.8092 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 27.5866, 36.6423, 7.8092 by changing the saturation by 10% instead.



■ 27.5866, 36.6423,  
7.8092

■ 27.5866, 36.6423,  
7.8092

282.6023,  
331.7593, 184.1061

■ 18.1531, 24.9307,  
3.8871

■ 55.2370, 70.0223,  
22.1235

■ 11.1603, 16.0254,  
1.5636

■ 74.1847, 92.4594,  
33.3528

■ 6.2429, 9.5421,  
0.2647

■ 97.0344, 119.2406,  
47.8548

■ 3.0354, 5.0964,  
0.0000

■ 124.1517,  
150.7500, 66.0483

■ 1.1725, 2.3040,  
0.0000

■ 155.9017,  
187.3722, 88.3515

■ 0.0845, 0.7758,  
0.0000

■ 192.6499,

■ 0.0000, 0.0000,

229.4916, 115.1833

0.0000

234.7616,  
277.4925, 146.9619

■ 27.5866, 36.6423,  
7.8092

■ 27.5866, 36.6423,  
7.8092

■ 26.7121, 36.2212,  
6.4810

■ 28.6177, 37.1310,  
9.8517

■ 25.9714, 35.8546,  
5.7587

■ 29.8187, 37.6886,  
12.6884

■ 25.6854, 35.7117,  
5.5393

■ 31.2040, 38.3222,  
16.3907

■ 32.7858, 39.0368,  
21.0216

■ 34.5750, 39.8367,  
26.6384

■ 36.5819, 40.7260,  
33.2936

■ 38.8157, 41.7086,  
41.0360

■ 41.2855, 42.7879,  
49.9114

■ 43.9995, 43.9674,  
59.9627

# Harmonies

## Analogous

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



36.8659, 36.6423, 6.4005



27.5866, 36.6423, 7.8092



21.4933, 36.6423, 15.5360

# Triad

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



27.5866, 36.6423, 7.8092



24.7261, 36.6423, 102.9343



57.6096, 36.6423, 45.9034

# Complementary

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



27.5866, 36.6423, 7.8092



10.9235, 5.9780, 40.6247

# 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.



52.7767, 36.6423, 81.6786



27.5866, 36.6423, 7.8092



32.8655, 36.6423, 123.3094

# Square

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



27.5866, 36.6423, 7.8092



20.0759, 36.6423, 66.7050



43.2358, 36.6423, 114.0890



55.4594, 36.6423, 21.4493



# Rectangle

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



27.5866, 36.6423, 7.8092



19.4457, 36.6423, 26.5980



43.2358, 36.6423, 114.0890



56.7229, 36.6423, 57.0223

# Sweetspot

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



27.5874, 36.6440, 7.8100



63.5680, 72.6365, 51.0994



19.9662, 13.3498, 3.7154



13.8548, 16.0224, 10.4693



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



27.5874, 36.6440, 7.8100



47.5205, 65.2397, 10.7698



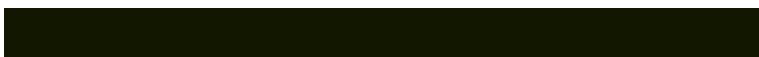
19.0003, 32.2171, 7.4081



8.4998, 9.2462, 8.5501



18.6784, 25.9262, 4.0198



0.5596, 0.7419, 0.1137



# Inverse Universe

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



10.9235, 5.9780, 40.6247



16.1453, 7.1049, 73.1573



18.3647, 9.8141, 40.9729



7.7263, 7.8332, 10.0574



6.0998, 2.5044, 29.2064



0.2129, 0.0920, 0.8145



# Previews

## White Background



This preview shows how the XYZ color 27.5866, 36.6423, 7.8092 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 27.5866, 36.6423, 7.8092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

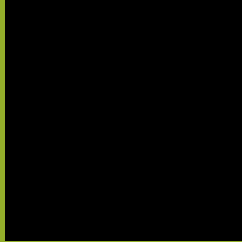
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 27.5866, 36.6423, 7.8092**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.5866, 36.6423, 7.8092.



This preview shows how white text looks on a background with the XYZ color 27.5866, 36.6423,



# 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

27.5866, 36.6423, 7.8092

### Protanopia

32.9918, 36.4081, 7.2081

### Deuteranopia

37.0550, 36.1876, 8.1639



## Tritanopia

35.1554, 36.4094, 45.7323

# Trichromacy



## Original Color

27.5866, 36.6423, 7.8092

## Protanomaly

30.7793, 36.3367, 7.3989

## Deuteranomaly

32.8068, 35.7704, 7.9716

## Tritanomaly

30.9846, 35.7733, 25.3506

# Monochromacy



## Original Color

27.5866, 36.6423, 7.8092

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

27.8451, 32.4280, 19.8306

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.5866, 36.6423, 7.8092 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(147, 174, 42)` looks like.

```
.text, #text, p{  
    color:rgb(147, 174, 42)  
}
```

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(147, 174, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 174, 42) }
```

## Border

The CSS property to change the border of an element to XYZ 27.5866, 36.6423, 7.8092 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(147, 174, 42) }
```



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

```
.border{ border-color:rgb(147, 174, 42) }
```

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

Here you see how a box with a 4 pixel rgb(147, 174, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 174, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 174, 42);  
box-shadow:4px 4px 4px 4px rgb(147, 174,  
42) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.5866, 36.6423, 7.8092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 174, 42) }
```

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

```
.background{ background-color: rgb(147,  
174, 42) }
```

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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