

Converting Colors

XYZ(27.4834, 31.2461, 6.7635)

Have a look what the booklet for
XYZ(27.4834, 31.2461, 6.7635)
contains.

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Color

**XYZ(27.4906, 31.2777,
6.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	A59A2A
RGB	165, 154, 42
RGB Percent	65%, 60%, 16%
CMY	0.3529, 0.3961, 0.8353
CMYK	0.00, 0.07, 0.75, 0.35
HSL	55°, 59%, 41%
HSV	55°, 75%, 65%
XYZ	27.4906, 31.2777, 6.7788
YIQ	144.5210, 42.5080, -32.5000

Conversions

Conversions Part 2

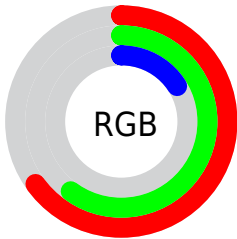
Format	Color
RYB	54, 165, 42
Decimal	10852906
CIELab	62.74, -8.74, 56.49
CIELCh	63, 57.166, 98.794
Yxy	31.2777, 0.4194, 0.4772
Android (android.graphics.Color)	4289042986 (0xFFA59A2A)
YUV	144.5210, -50.5429, 17.9601
Hunter-Lab	55.9265, -10.1298, 31.9620

Details

The XYZ color **27.4906, 31.2777, 6.7788** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.0196, 5.7551, 36.2326**, and the grayscale version is **26.9064, 28.3076, 30.8270**.

A 20% lighter version of the original color is **55.0986, 61.6443, 20.0609**, and **11.1569, 12.9517, 1.9119** is the 20% darker color. If you saturate the color by 10%, you get **27.0123, 30.7004, 5.4506**, and if you desaturate by 10%, it is **28.0949, 31.9126, 8.7496**.

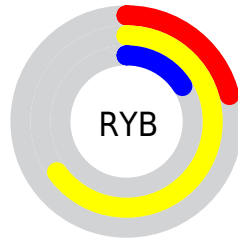
Distribution



Red (65%)

Green (60%)

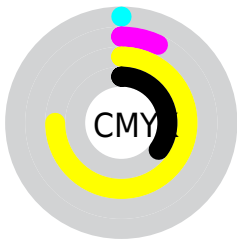
Blue (16%)



Red (21%)

Yellow (65%)

Blue (16%)

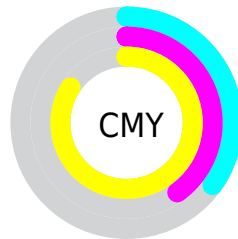


Cyan (0%)

Magenta (7%)

Yellow (75%)

Black (35%)



Cyan (35%)

Magenta (40%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4906, 31.2777, 6.7788 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 27.4906, 31.2777, 6.7788 by changing the saturation by 10% instead.

■ 27.4906, 31.2777,
6.7788

■ 27.4906, 31.2777,
6.7788

282.1492,
307.8156, 175.3734

■ 18.0805, 20.8104,
3.2478

■ 55.0845, 61.6770,
20.0320

■ 11.1078, 12.9855,
1.2225

■ 73.9990, 82.3778,
30.5914

■ 6.2072, 7.4186,
0.0000

■ 96.8123, 107.2586,
44.3306

■ 3.0134, 3.7252,
0.0000

■ 123.8899,
136.7037, 61.6682

■ 1.1608, 1.5211,
0.0000

■ 155.5970,
171.0976, 83.0227

■ 0.0751, 0.3035,
0.0000

■ 192.2990,

■ 0.0000, 0.0000,

210.8246, 108.8128

0.0000

234.3613,
256.2692, 139.4568

■ 27.4906, 31.2777,
6.7788

■ 27.4906, 31.2777,
6.7788

■ 27.0123, 30.7004,
5.4506

■ 28.0949, 31.9126,
8.7496

■ 26.6417, 30.1698,
4.6778

■ 28.8364, 32.6059,
11.4311

■ 26.4632, 29.8917,
4.3749

■ 29.7274, 33.3639,
14.8850

■ 30.7782, 34.1906,
19.1658

■ 31.9984, 35.0899,
24.3229

■ 33.3964, 36.0653,
30.4020

■ 34.9805, 37.1199,
37.4456

■ 36.7581, 38.2569,
45.4934

■ 38.7365, 39.4791,
54.5831

Harmonies

Analogous

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



35.4999, 31.2777, 7.6331



27.4906, 31.2777, 6.7788



21.2754, 31.2777, 10.3262

Triad

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



27.4906, 31.2777, 6.7788



19.4904, 31.2777, 68.7455



46.0470, 31.2777, 52.1081

Complementary

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



27.4906, 31.2777, 6.7788



9.0196, 5.7551, 36.2326

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.



40.1679, 31.2777, 79.7946



27.4906, 31.2777, 6.7788



24.6192, 31.2777, 91.9686

Square

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



27.4906, 31.2777, 6.7788



17.2174, 31.2777, 41.0657



32.0847, 31.2777, 96.7165



47.1815, 31.2777, 27.8933

Rectangle

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



27.4906, 31.2777, 6.7788



18.6424, 31.2777, 16.2757



32.0847, 31.2777, 96.7165



44.5164, 31.2777, 61.5622

Sweetspot

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



27.4913, 31.2792, 6.7794



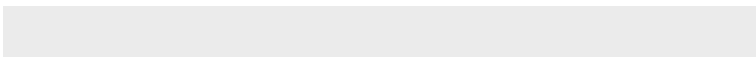
57.8155, 63.2060, 45.7488



17.0181, 9.9247, 4.5463



12.5080, 13.7242, 9.4355



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.4913, 31.2792, 6.7794



47.9524, 54.3946, 8.8123



21.0492, 30.7768, 7.0220



7.5950, 8.1285, 7.5487



20.0385, 22.6509, 3.3159



0.4357, 0.5053, 0.0746

Inverse Universe

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



9.0196, 5.7551, 36.2326



13.3088, 6.6128, 64.3273



11.9540, 6.6073, 36.2424



6.7490, 6.9571, 8.8902



5.2817, 2.3428, 27.1036



0.1253, 0.0778, 0.5743

Previews

White Background



This preview shows how the XYZ color 27.4906, 31.2777, 6.7788 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 27.4906, 31.2777, 6.7788 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 27.4906, 31.2777, 6.7788

Background



This preview shows how black text looks on a background with the XYZ color 27.4906, 31.2777, 6.7788.



This preview shows how white text looks on a background with the XYZ color 27.4906, 31.2777,

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

27.4906, 31.2777, 6.7788

Protanopia

28.2237, 31.1697, 6.7193

Deuteranopia

31.7016, 31.0909, 6.9151



Tritanopia

33.3452, 31.3117, 35.2966

Trichromacy



Original Color

27.4906, 31.2777, 6.7788

Protanomaly

27.9576, 31.2745, 6.7535

Deuteranomaly

30.1196, 31.1930, 6.9160

Tritanomaly

30.4218, 31.0526, 20.3099

Monochromacy



Original Color

27.4906, 31.2777, 6.7788

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.2456, 28.9379, 18.3896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4906, 31.2777, 6.7788 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(165, 154, 42)` looks like.

```
.text, #text, p{  
    color:rgb(165, 154, 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(165, 154, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 154, 42) }
```

Border

The CSS property to change the border of an element to XYZ 27.4906, 31.2777, 6.7788 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(165, 154, 42) }
```


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

```
.border{ border-color:rgb(165, 154, 42) }
```

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

Here you see how a box with a 4 pixel rgb(165, 154, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 154, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 154, 42);  
box-shadow:4px 4px 4px 4px rgb(165, 154,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4906, 31.2777, 6.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 154, 42) }
```

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

```
.background{ background-color: rgb(165,  
154, 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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