

Converting Colors

XYZ(28.1577, 31.4661, 11.7462)

Have a look what the booklet for
XYZ(28.1577, 31.4661, 11.7462)
contains.

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Color

**XYZ(28.2406, 31.5538,
11.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	A49A4E
RGB	164, 154, 78
RGB Percent	64%, 60%, 31%
CMY	0.3569, 0.3961, 0.6941
CMYK	0.00, 0.06, 0.52, 0.36
HSL	53°, 36%, 47%
HSV	53°, 52%, 64%
XYZ	28.2406, 31.5538, 11.8098
YIQ	148.3260, 30.3560, -21.5160

Conversions

Conversions Part 2

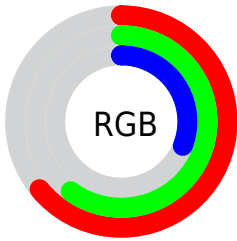
Format	Color
RYB	89, 164, 78
Decimal	10787406
CIELab	62.97, -6.76, 40.78
CIELCh	63, 41.335, 99.406
Yxy	31.5538, 0.3944, 0.4407
Android (android.graphics.Color)	4288977486 (0xFFA49A4E)
YUV	148.3260, -34.6707, 13.7461
Hunter-Lab	56.1728, -8.5623, 26.8558

Details

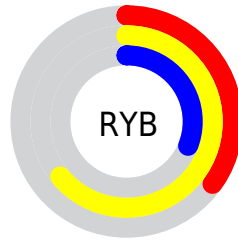
The XYZ color **28.2406, 31.5538, 11.8098** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.3324, 11.2791, 36.5962**, and the grayscale version is **28.4167, 29.8966, 32.5574**.

A 20% lighter version of the original color is **56.3371, 62.0689, 29.7801**, and **11.5024, 13.1042, 3.0855** is the 20% darker color. If you saturate the color by 10%, you get **27.4126, 30.7244, 8.9860**, and if you desaturate by 10%, it is **29.2217, 32.4548, 15.4088**.

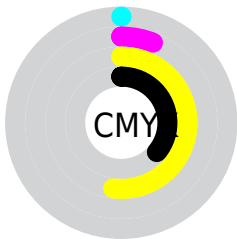
Distribution



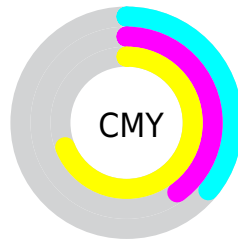
- Red (64%)
- Green (60%)
- Blue (31%)



- Red (35%)
- Yellow (64%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (52%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2406, 31.5538, 11.8098 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 28.2406, 31.5538, 11.8098 by changing the saturation by 10% instead.

■ 28.2406, 31.5538,
11.8098

■ 28.2406, 31.5538,
11.8098

285.6741,
309.0816, 214.0750

■ 18.6485, 21.0209,
6.4933

■ 56.2743, 62.1109,
29.8074

■ 11.5191, 13.1393,
3.0737

■ 75.4466, 82.9040,
43.3256

■ 6.4870, 7.5245,
1.1324

■ 98.5430, 107.8858,
60.4149

■ 3.1868, 3.7922,
0.0000

■ 125.9289,
137.4409, 81.4937

■ 1.2533, 1.5580,
0.0000

■ 157.9696,
171.9537, 106.9805

■ 0.1479, 0.3291,
0.0000

195.0304,

■ 0.0000, 0.0000,

211.8084, 137.2940

0.0000

237.4768,
257.3896, 172.8527

■ 28.2406, 31.5538,
11.8098

■ 28.2406, 31.5538,
11.8098

■ 27.4126, 30.7244,
8.9860

■ 29.2217, 32.4548,
15.4088

■ 26.7244, 29.9576,
6.8770

■ 30.3638, 33.4271,
19.8336

■ 26.1640, 29.2499,
5.4164

■ 31.6766, 34.4757,
25.1328

■ 25.7162, 28.5952,
4.5249

■ 33.1685, 35.6041,
31.3505

■ 25.4258, 28.1245,
4.0885

■ 34.8475, 36.8154,
38.5281

■ 36.7210, 38.1127,
46.7043

■ 38.7958, 39.4988,
55.9156

■ 41.0786, 40.9763,
66.1970

■ 43.5757, 42.5478,
77.5813

Harmonies

Analogous

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



34.0004, 31.5538, 12.6016



28.2406, 31.5538, 11.8098



23.5762, 31.5538, 15.4077

Triad

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



28.2406, 31.5538, 11.8098



22.3164, 31.5538, 58.2937



41.4249, 31.5538, 46.5798

Complementary

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



28.2406, 31.5538, 11.8098



13.3324, 11.2791, 36.5962

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.



37.4750, 31.5538, 64.6478



28.2406, 31.5538, 11.8098



26.3098, 31.5538, 72.7592

Square

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



28.2406, 31.5538, 11.8098



20.4520, 31.5538, 39.7283



31.8121, 31.5538, 75.3941



42.1124, 31.5538, 29.4926

Rectangle

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



28.2406, 31.5538, 11.8098



21.5351, 31.5538, 20.7655



31.8121, 31.5538, 75.3941



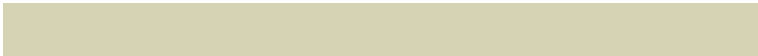
40.4129, 31.5538, 52.8690

Sweetspot

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



28.2414, 31.5553, 11.8104



59.1210, 63.8189, 52.3438



19.7972, 14.0467, 10.9080



12.8102, 13.8653, 10.9647



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.



28.2414, 31.5553, 11.8104



49.5227, 55.5188, 15.5518



24.0160, 31.9289, 12.1053



7.5788, 8.0961, 7.5433



19.5177, 21.6093, 3.1423



0.4286, 0.4911, 0.0722

Inverse Universe

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



13.3324, 11.2791, 36.5962



19.4954, 14.7118, 65.5645



15.9769, 11.5069, 36.5008



6.7637, 6.9864, 8.8951



5.3367, 2.4528, 27.1219



0.1305, 0.0882, 0.5760

Previews

White Background



This preview shows how the XYZ color 28.2406, 31.5538, 11.8098 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 28.2406, 31.5538, 11.8098 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 28.2406, 31.5538, 11.8098

Background



This preview shows how black text looks on a background with the XYZ color 28.2406, 31.5538, 11.8098.



This preview shows how white text looks on a background with the XYZ color 28.2406, 31.5538,

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

28.2406, 31.5538, 11.8098

Protanopia

28.9148, 31.6574, 11.7942

Deuteranopia

32.0669, 31.3948, 11.9591



Tritanopia

33.2245, 31.4558, 36.2187

Trichromacy



Original Color

28.2406, 31.5538, 11.8098

Protanomaly

28.7027, 31.5480, 11.7843

Deuteranomaly

30.5916, 31.3280, 11.8317

Tritanomaly

30.8484, 31.1733, 24.8132

Monochromacy



Original Color

28.2406, 31.5538, 11.8098

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.8079, 30.1128, 23.0856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2406, 31.5538, 11.8098 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(164, 154, 78)` looks like.

```
.text, #text, p{  
    color:rgb(164, 154, 78)  
}
```

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(164, 154, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 154, 78) }
```

Border

The CSS property to change the border of an element to XYZ 28.2406, 31.5538, 11.8098 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(164, 154, 78) }
```


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

```
.border{ border-color:rgb(164, 154, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 154, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 154, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 154, 78);  
box-shadow:4px 4px 4px 4px rgb(164, 154,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2406, 31.5538, 11.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 154, 78) }
```

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

```
.background{ background-color: rgb(164,  
154, 78) }
```

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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