

Converting Colors

XYZ(22.5593, 31.4452, 4.7815)

Have a look what the booklet for
XYZ(22.5593, 31.4452, 4.7815)
contains.

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Color

**XYZ(22.4814, 31.2967,
4.8560)**

Conversions

Conversions Part 1

Format	Color
Hex	82A400
RGB	130, 164, 0
RGB Percent	51%, 64%, 0%
CMY	0.4902, 0.3568, 0.9999
CMYK	0.21, 0.00, 1.00, 0.36
HSL	72°, 100%, 32%
HSV	72°, 100%, 64%
XYZ	22.4814, 31.2967, 4.8560
YIQ	135.1380, 32.3800, -58.2120

Conversions

Conversions Part 2

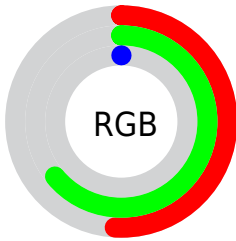
Format	Color
RYB	0, 164, 34
Decimal	8561664
CIELab	62.76, -30.25, 64.86
CIELCh	63, 71.571, 115.005
Yxy	31.2967, 0.3834, 0.5338
Android (android.graphics.Color)	4286751744 (0xFF82A400)
YUV	135.1380, -66.6230, -4.5060
Hunter-Lab	55.9435, -26.1691, 34.0139

Details

The XYZ color **22.4814, 31.2967, 4.8560** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.3617, 3.0212, 35.3189**, and the grayscale version is **23.3131, 24.5272, 26.7102**.

A 20% lighter version of the original color is **47.0611, 61.7222, 15.9118**, and **8.6958, 13.0842, 2.0672** is the 20% darker color. If you saturate the color by 10%, you get **22.4815, 31.2978, 4.8562**, and if you desaturate by 10%, it is **23.1090, 31.6101, 5.3901**.

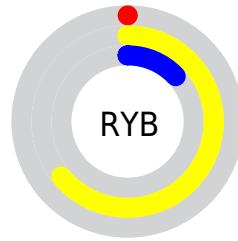
Distribution



Red (51%)

Green (64%)

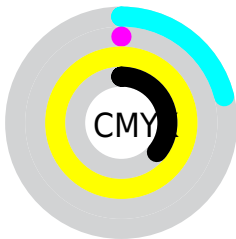
Blue (0%)



Red (0%)

Yellow (64%)

Blue (13%)

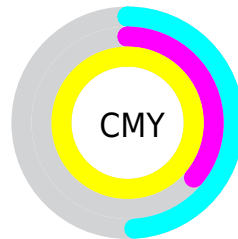


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (49%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4814, 31.2967, 4.8560 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 22.4814, 31.2967, 4.8560 by changing the saturation by 10% instead.

■ 22.4814, 31.2967,
4.8560

■ 22.4814, 31.2967,
4.8560

257.6354,
307.9029, 157.3114

■ 14.3296, 20.8249,
2.1058

■ 47.0133, 61.7069,
15.9402

■ 8.4335, 12.9961,
0.6192

■ 64.1242, 82.4141,
25.1113

■ 4.4277, 7.4258,
0.0000

■ 84.9521, 107.3018,
37.2598

■ 1.9468, 3.7298,
0.0000

■ 109.8625,
136.7545, 52.8041

■ 0.6038, 1.5236,
0.0000

■ 139.2207,
171.1566, 72.1629


■ 0.0000, 0.3053,
0.0000


■ 173.3920,


■ 0.0000, 0.0000,


210.8924, 95.7547


0.0000


 212.7418,
256.3464, 123.9980


 22.4814, 31.2967,
4.8560


 22.4814, 31.2967,
4.8560


 22.4815, 31.2978,
4.8562

 23.1090, 31.6101,
5.3901

 23.8321, 31.9626,
6.3387

 24.6844, 32.3689,
7.8766

 25.6806, 32.8347,
10.0795

 26.8330, 33.3651,
13.0120

■ 28.1527, 33.9645,
16.7310

■ 29.6495, 34.6368,
21.2878

■ 31.3325, 35.3857,
26.7293

■ 33.2100, 36.2146,
33.0989

Harmonies

Analogous

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



31.4150, 31.2967, 3.6503



22.4814, 31.2967, 4.8560



16.8424, 31.2967, 11.5744

Triad

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



22.4814, 31.2967, 4.8560



20.2084, 31.2967, 100.0210



52.7019, 31.2967, 38.9869

Complementary

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



22.4814, 31.2967, 4.8560



7.3617, 3.0212, 35.3189

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.



47.9748, 31.2967, 75.2617



22.4814, 31.2967, 4.8560



28.1383, 31.2967, 120.8743

Square

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



22.4814, 31.2967, 4.8560



15.7460, 31.2967, 62.3045



38.4292, 31.2967, 109.9503



50.2631, 31.2967, 15.9980

Rectangle

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



22.4814, 31.2967, 4.8560



15.0226, 31.2967, 21.9501



38.4292, 31.2967, 109.9503



51.8729, 31.2967, 50.0060

Sweetspot

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



22.4821, 31.2981, 4.8567



53.6513, 62.7947, 38.1217



15.8494, 8.9703, 0.8965



11.4853, 13.6189, 7.5797



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.



22.4821, 31.2981, 4.8567



40.6282, 56.7165, 8.8060



14.5531, 27.2106, 4.4856



7.5050, 8.1628, 7.5601



17.2769, 24.0171, 3.7252



0.3973, 0.5223, 0.0799

Inverse Universe

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



7.3617, 3.0212, 35.3189



13.2198, 5.4100, 64.0998



13.7463, 6.3126, 35.6177



6.8314, 6.9274, 8.8801



5.6774, 2.3333, 27.0809



0.1543, 0.0671, 0.5707

Previews

White Background



This preview shows how the XYZ color 22.4814, 31.2967, 4.8560 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 22.4814, 31.2967, 4.8560 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 22.4814, 31.2967, 4.8560

Background



This preview shows how black text looks on a background with the XYZ color 22.4814, 31.2967, 4.8560.



This preview shows how white text looks on a background with the XYZ color 22.4814, 31.2967,

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

22.4814, 31.2967, 4.8560

Protanopia

28.0228, 31.1144, 4.5287

Deuteranopia

31.6935, 31.1166, 5.5640



Tritanopia

29.5214, 31.1024, 40.0447

Trichromacy



Original Color

22.4814, 31.2967, 4.8560

Protanomaly

25.5988, 30.8449, 4.6045

Deuteranomaly

27.5463, 30.6153, 5.0736

Tritanomaly

25.0857, 30.2858, 17.8882

Monochromacy



Original Color

22.4814, 31.2967, 4.8560

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.6315, 26.2162, 12.7242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4814, 31.2967, 4.8560 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(130, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 164, 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(130, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 164, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.4814, 31.2967, 4.8560 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(130, 164, 0) }
```


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

```
.border{ border-color:rgb(130, 164, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 164,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4814, 31.2967, 4.8560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 164, 0) }
```

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

```
.background{ background-color: rgb(130,  
164, 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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