

Converting Colors

XYZ(21.7169, 31.1637, 0.3829)

Have a look what the booklet for
XYZ(21.7169, 31.1637, 0.3829)
contains.

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Color

**XYZ(22.6611, 31.6561,
4.9159)**

Conversions

Conversions Part 1

Format	Color
Hex	82A500
RGB	130, 165, 0
RGB Percent	51%, 65%, 0%
CMY	0.4902, 0.3529, 0.9999
CMYK	0.21, 0.00, 1.00, 0.35
HSL	73°, 100%, 32%
HSV	73°, 100%, 65%
XYZ	22.6611, 31.6561, 4.9159
YIQ	135.7250, 32.1050, -58.7350

Conversions

Conversions Part 2

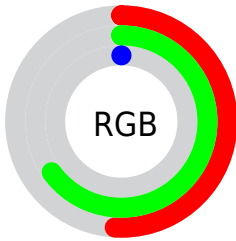
Format	Color
RYB	0, 165, 35
Decimal	8561920
CIELab	63.06, -30.73, 65.09
CIELCh	63, 71.978, 115.270
Yxy	31.6561, 0.3826, 0.5344
Android (android.graphics.Color)	4286752000 (0xFF82A500)
YUV	135.7250, -66.9124, -5.0208
Hunter-Lab	56.2638, -26.5679, 34.2043

Details

The XYZ color **22.6611, 31.6561, 4.9159** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.4859, 3.0748, 35.7981**, and the grayscale version is **23.5342, 24.7598, 26.9634**.

A 20% lighter version of the original color is **47.3227, 62.2456, 15.9990**, and **8.8068, 13.3061, 2.1042** is the 20% darker color. If you saturate the color by 10%, you get **22.6612, 31.6572, 4.9161**, and if you desaturate by 10%, it is **23.3054, 31.9780, 5.4547**.

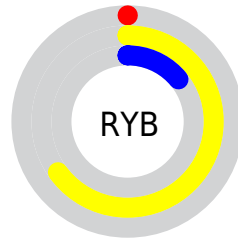
Distribution



Red (51%)

Green (65%)

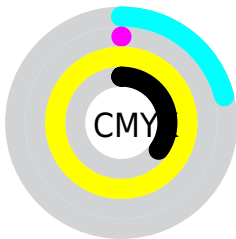
Blue (0%)



Red (0%)

Yellow (65%)

Blue (14%)

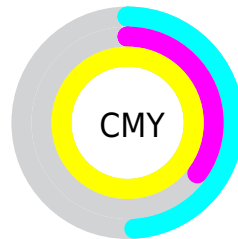


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (49%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6611, 31.6561, 4.9159 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 22.6611, 31.6561, 4.9159 by changing the saturation by 10% instead.

■ 22.6611, 31.6561,
4.9159

■ 22.6611, 31.6561,
4.9159

258.5475,
309.5497, 157.9184

■ 14.4628, 21.0990,
2.1401

■ 47.3070, 62.2716,
16.0724

■ 8.5271, 13.1964,
0.6395

■ 64.4853, 83.0987,
25.2901

■ 4.4886, 7.5639,
0.0000

■ 85.3877, 108.1179,
37.4923

■ 1.9821, 3.8172,
0.0000

■ 110.3794,
137.7137, 53.0975

■ 0.6239, 1.5718,
0.0000

■ 139.8259,
172.2703, 72.5241

■ 0.0000, 0.3385,
0.0000

■ 174.0925,

■ 0.0000, 0.0000,

212.1723, 96.1908

0.0000

213.5446,
257.8039, 124.5160

22.6611, 31.6561,
4.9159

22.6611, 31.6561,
4.9159

22.6612, 31.6572,
4.9161

23.3054, 31.9780,
5.4547

24.0473, 32.3401,
6.4149

24.9212, 32.7570,
7.9725

25.9418, 33.2348,
10.2046

27.1217, 33.7785,
13.1768

■ 28.4721, 34.3926,
16.9468

■ 30.0031, 35.0811,
21.5666

■ 31.7237, 35.8478,
27.0840

■ 33.6426, 36.6961,
33.5429

Harmonies

Analogous

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



31.6880, 31.6561, 3.6647



22.6611, 31.6561, 4.9159



16.9816, 31.6561, 11.7799

Triad

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



22.6611, 31.6561, 4.9159



20.4807, 31.6561, 101.6362



53.3697, 31.6561, 39.1701

Complementary

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



22.6611, 31.6561, 4.9159



7.4859, 3.0748, 35.7981

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.



48.6349, 31.6561, 75.8740



22.6611, 31.6561, 4.9159



28.5431, 31.6561, 122.5474

Square

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



22.6611, 31.6561, 4.9159



15.9302, 31.6561, 63.4263



38.9830, 31.6561, 111.1798



50.8328, 31.6561, 16.0185

Rectangle

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



22.6611, 31.6561, 4.9159



15.1591, 31.6561, 22.3648



38.9830, 31.6561, 111.1798



52.5509, 31.6561, 50.2999

Sweetspot

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



22.6618, 31.6575, 4.9166



53.5684, 62.7520, 38.1178



16.0622, 9.0883, 0.9081



11.4650, 13.6084, 7.5787



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.



22.6618, 31.6575, 4.9166



40.4069, 56.6024, 8.7957



14.7474, 27.5775, 4.5462



7.5017, 8.1611, 7.5600



17.1852, 23.9698, 3.7209



0.3960, 0.5216, 0.0798

Inverse Universe

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



7.4859, 3.0748, 35.7981



13.2650, 5.4333, 64.1019



13.9292, 6.3964, 36.0997



6.8344, 6.9290, 8.8803



5.6981, 2.3439, 27.0819



0.1554, 0.0676, 0.5707

Previews

White Background



This preview shows how the XYZ color 22.6611, 31.6561, 4.9159 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 22.6611, 31.6561, 4.9159 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 22.6611, 31.6561, 4.9159

Background



This preview shows how black text looks on a background with the XYZ color 22.6611, 31.6561, 4.9159.



This preview shows how white text looks on a background with the XYZ color 22.6611, 31.6561,

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

22.6611, 31.6561, 4.9159

Protanopia

28.4045, 31.5531, 4.5933

Deuteranopia

31.9458, 31.2467, 5.5758



Tritanopia

29.7758, 31.4649, 40.5804

Trichromacy



Original Color

22.6611, 31.6561, 4.9159

Protanomaly

25.9616, 31.2820, 4.6697

Deuteranomaly

27.7080, 30.9385, 5.1275

Tritanomaly

25.3060, 30.6435, 18.2167

Monochromacy



Original Color

22.6611, 31.6561, 4.9159

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.9855, 26.6239, 12.9970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6611, 31.6561, 4.9159 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, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 165, 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, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 165, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.6611, 31.6561, 4.9159 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, 165, 0) }
```


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

```
.border{ border-color:rgb(130, 165, 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, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 165,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6611, 31.6561, 4.9159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 165, 0) }
```

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

```
.background{ background-color: rgb(130,  
165, 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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