

Converting Colors

XYZ(22.9789, 31.8315, 6.0786)

Have a look what the booklet for
XYZ(22.9789, 31.8315, 6.0786)
contains.

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Color

**XYZ(22.8828, 31.7448,
6.0837)**

Conversions

Conversions Part 1

Format	Color
Hex	82A51D
RGB	130, 165, 29
RGB Percent	51%, 65%, 11%
CMY	0.4902, 0.3529, 0.8862
CMYK	0.21, 0.00, 0.82, 0.35
HSL	75°, 70%, 38%
HSV	75°, 82%, 65%
XYZ	22.8828, 31.7448, 6.0837
YIQ	139.0310, 22.7960, -49.7160

Conversions

Conversions Part 2

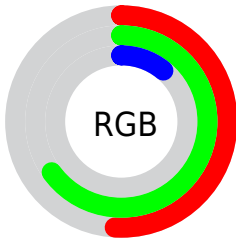
Format	Color
R_{YB}	29, 165, 64
Decimal	8561949
CIE _{Lab}	63.13, -30.04, 59.97
CIE _{LCh}	63, 67.075, 116.603
Yxy	31.7448, 0.3769, 0.5229
Android (android.graphics.Color)	4286752029 (0xFF82A51D)
YUV	139.0310, -54.2453, -7.9202
Hunter-Lab	56.3425, -26.1039, 33.0378

Details

The XYZ color **22.8828, 31.7448, 6.0837** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.3465, 4.6862, 36.0111**, and the grayscale version is **24.7498, 26.0387, 28.3561**.

A 20% lighter version of the original color is **47.5632, 62.3136, 18.5377**, and **8.8856, 13.3468, 2.1079** is the 20% darker color. If you saturate the color by 10%, you get **22.0931, 31.3563, 5.2522**, and if you desaturate by 10%, it is **23.8102, 32.1937, 7.4932**.

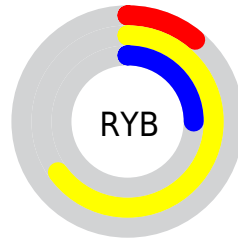
Distribution



Red (51%)

Green (65%)

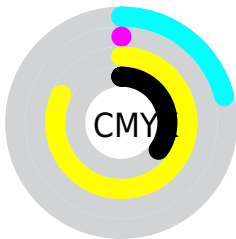
Blue (11%)



Red (11%)

Yellow (65%)

Blue (25%)

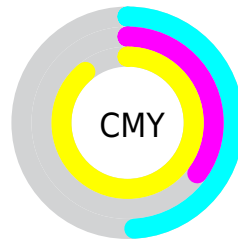


Cyan (21%)

Magenta (0%)

Yellow (82%)

Black (35%)



Cyan (49%)


Magenta (35%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8828, 31.7448, 6.0837 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 22.8828, 31.7448, 6.0837 by changing the saturation by 10% instead.


 22.8828, 31.7448,
6.0837


 22.8828, 31.7448,
6.0837


259.6691,
309.9551, 169.1478


 14.6272, 21.1666,
2.8264


 47.6689, 62.4108,
18.5850


 8.6428, 13.2459,
1.0067


 64.9301, 83.2674,
28.6662

 4.5642, 7.5981,
0.0000


 85.9239, 108.3190,
41.8590

 2.0260, 3.8389,
0.0000

 111.0156,
137.9500, 58.5821

 0.6485, 1.5838,
0.0000

 140.5706,
172.5447, 79.2540

 0.0000, 0.3467,
0.0000

 174.9543,

 0.0000, 0.0000,

212.4875, 104.2932

0.0000

214.5320,
258.1628, 134.1183

■ 22.8828, 31.7448,
6.0837

■ 22.8828, 31.7448,
6.0837

■ 22.0931, 31.3563,
5.2522

■ 23.8102, 32.1937,
7.4932

■ 21.5576, 31.0883,
4.8644

■ 24.8886, 32.7051,
9.5594

■ 26.1321, 33.2856,
12.3510

■ 27.5522, 33.9400,
15.9274

■ 29.1593, 34.6724,
20.3418

■ 30.9630, 35.4868,
25.6429

■ 32.9720, 36.3866,
31.8757

■ 35.1946, 37.3752,
39.0819

■ 37.6386, 38.4557,
47.3010

Harmonies

Analogous

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



31.2397, 31.7448, 4.5644



22.8828, 31.7448, 6.0837



17.6178, 31.7448, 13.4124

Triad

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



22.8828, 31.7448, 6.0837



21.3967, 31.7448, 96.9848



51.6580, 31.7448, 37.6747

Complementary

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



22.8828, 31.7448, 6.0837



9.3465, 4.6862, 36.0111

Split Complementary

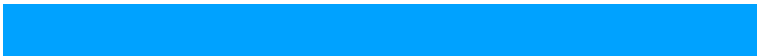
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.6070, 31.7448, 70.9045



22.8828, 31.7448, 6.0837



29.1298, 31.7448, 114.5145

Square

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



22.8828, 31.7448, 6.0837



16.8911, 31.7448, 62.7876



38.8660, 31.7448, 103.1199



49.0510, 31.7448, 16.3932

Rectangle

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



22.8828, 31.7448, 6.0837



15.9578, 31.7448, 24.0471



38.8660, 31.7448, 103.1199



51.0123, 31.7448, 47.7734

Sweetspot

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



22.8835, 31.7462, 6.0844



54.4303, 63.0921, 42.8658



17.5176, 11.6442, 2.4871



11.6641, 13.6869, 8.6783



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.



22.8835, 31.7462, 6.0844



38.5299, 55.6334, 8.7691



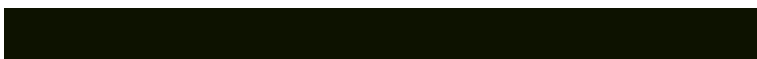
15.7280, 28.0574, 5.7495



7.4706, 8.1451, 7.5585



16.3558, 23.5422, 3.6821



0.3837, 0.5153, 0.0792

Inverse Universe

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



9.3465, 4.6862, 36.0111



13.8581, 5.7735, 64.1363



16.5922, 8.4215, 36.3502



6.8635, 6.9440, 8.8816



5.9157, 2.4561, 27.0921



0.1655, 0.0728, 0.5712

Previews

White Background



This preview shows how the XYZ color 22.8828, 31.7448, 6.0837 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 22.8828, 31.7448, 6.0837 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 22.8828, 31.7448, 6.0837

Background



This preview shows how black text looks on a background with the XYZ color 22.8828, 31.7448, 6.0837.



This preview shows how white text looks on a background with the XYZ color 22.8828, 31.7448,

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

22.8828, 31.7448, 6.0837

Protanopia

28.5909, 31.6277, 5.5751

Deuteranopia

32.0115, 31.4873, 6.4883



Tritanopia

29.9401, 31.7937, 40.6352

Trichromacy



Original Color

22.8828, 31.7448, 6.0837

Protanomaly

26.1594, 31.3612, 5.7115

Deuteranomaly

27.9244, 31.0251, 6.2669

Tritanomaly

26.0267, 31.2036, 21.1741

Monochromacy



Original Color

22.8828, 31.7448, 6.0837

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.9954, 27.3149, 15.8647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8828, 31.7448, 6.0837 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(130, 165, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 165, 29) }
```

Border

The CSS property to change the border of an element to XYZ 22.8828, 31.7448, 6.0837 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, 29) }
```


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

```
.border{ border-color:rgb(130, 165, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 165, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 165, 29);  
box-shadow:4px 4px 4px 4px rgb(130, 165,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8828, 31.7448, 6.0837 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, 29) }
```

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

```
.background{ background-color: rgb(130,  
165, 29) }
```

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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