

Converting Colors

XYZ(30.8505, 42.9100, 22.5876)

Have a look what the booklet for
XYZ(30.8505, 42.9100, 22.5876)
contains.

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Color

**XYZ(30.8108, 42.8671,
22.5699)**

Conversions

Conversions Part 1

Format	Color
Hex	83BE72
RGB	131, 190, 114
RGB Percent	51%, 75%, 45%
CMY	0.4863, 0.2549, 0.5529
CMYK	0.31, 0.00, 0.40, 0.25
HSL	107°, 37%, 60%
HSV	107°, 40%, 75%
XYZ	30.8108, 42.8671, 22.5699
YIQ	163.6950, -10.7680, -36.1440

Conversions

Conversions Part 2

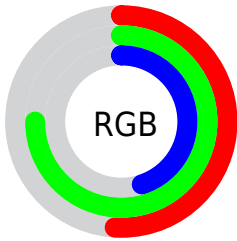
Format	Color
RYB	114, 190, 173
Decimal	8633970
CIELab	71.46, -33.53, 32.44
CIELCh	71, 46.653, 135.950
Yxy	42.8671, 0.3201, 0.4454
Android (android.graphics.Color)	4286824050 (0xFF83BE72)
YUV	163.6950, -24.4996, -28.6735
Hunter-Lab	65.4730, -30.5777, 25.3926

Details

The XYZ color **30.8108, 42.8671, 22.5699** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **32.5471, 24.6379, 51.7576**, and the grayscale version is **35.2589, 37.0951, 40.3966**.

A 20% lighter version of the original color is **60.4855, 79.7507, 48.7647**, and **12.8715, 19.5982, 7.9549** is the 20% darker color. If you saturate the color by 10%, you get **27.7157, 41.3850, 17.3543**, and if you desaturate by 10%, it is **34.4581, 44.6104, 28.9858**.

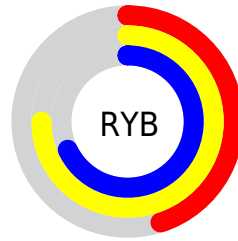
Distribution



Red (51%)

Green (75%)

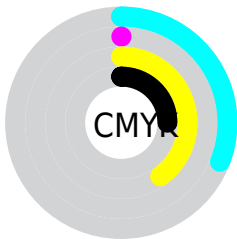
Blue (45%)



Red (45%)

Yellow (75%)

Blue (68%)

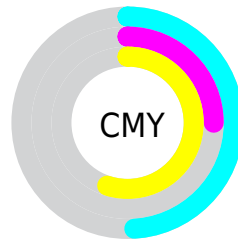


Cyan (31%)

Magenta (0%)

Yellow (40%)

Black (25%)



Cyan (49%)

Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8108, 42.8671, 22.5699 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 30.8108, 42.8671, 22.5699 by changing the saturation by 10% instead.

■ 30.8108, 42.8671,
22.5699

■ 30.8108, 42.8671,
22.5699

297.5082,
358.0649, 278.5581

■ 20.6059, 29.7809,
14.0739

■ 60.3199, 79.5103,
48.6003

■ 12.9471, 19.6723,
8.0328

■ 80.3549, 103.8360,
66.9719

■ 7.4689, 12.1571,
4.0279

■ 104.3974,
132.6770, 89.4724

■ 3.8059, 6.8507,
1.6406

132.8125,
166.4176, 116.5204

■ 1.5929, 3.3689,
0.3196

165.9659,
205.4424, 148.5344

■ 0.3878, 1.3272,
0.0000

204.2227,

■ 0.0000, 0.1621,

250.1356, 185.9330

0.0000

247.9483,
300.8816, 229.1348

■ 0.0000, 0.0000,
0.0000

■ 30.8108, 42.8671,
22.5699

■ 30.8108, 42.8671,
22.5699

■ 27.7157, 41.3850,
17.3543

■ 34.4581, 44.6104,
28.9858

■ 25.1417, 40.1460,
13.2616

■ 38.6799, 46.6212,
36.6672

■ 23.0599, 39.1382,
10.2101


■ 43.5014, 48.9123,
45.6781


■ 21.4365, 38.3462,
8.1055


■ 48.9452, 51.4942,
56.0771


■ 20.2333, 37.7528,
6.8367


■ 55.0327, 54.3766,
67.9196

 19.3896, 37.3314,
6.1837

 61.7843, 57.5689,
81.2577

 69.2195, 61.0802,
96.1412

 75.5338, 64.1897,
103.0165

 77.7043, 65.3086,
103.1181

Harmonies

Analogous

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



36.7272, 42.8671, 16.1847



30.8108, 42.8671, 22.5699



27.7616, 42.8671, 36.9284

Triad

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



30.8108, 42.8671, 22.5699



37.1810, 42.8671, 102.5711



57.0864, 42.8671, 35.7544

Complementary

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



30.8108, 42.8671, 22.5699



32.5471, 24.6379, 51.7576

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.



57.2490, 42.8671, 58.0012



30.8108, 42.8671, 22.5699



45.0433, 42.8671, 101.9441

Square

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



30.8108, 42.8671, 22.5699



31.1061, 42.8671, 85.2456



52.6108, 42.8671, 83.7372



52.1914, 42.8671, 21.9500

Rectangle

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



30.8108, 42.8671, 22.5699



27.4753, 42.8671, 51.3108



52.6108, 42.8671, 83.7372



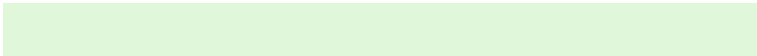
57.7157, 42.8671, 42.3271

Sweetspot

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



30.8119, 42.8689, 22.5708



76.8150, 87.6767, 78.9768



39.0776, 41.7706, 21.9232



16.6074, 19.1293, 16.8533



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.8119, 42.8689, 22.5708



50.8567, 75.2968, 32.4907



29.6759, 42.1350, 29.2217



9.6031, 10.7498, 10.1454



12.9493, 24.8515, 4.1143



0.5653, 1.0034, 0.1639

Inverse Universe

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



32.5471, 24.6379, 51.7576



54.3997, 37.6782, 92.6846



34.4846, 25.8751, 41.0767



9.7156, 9.5858, 12.0104



14.3114, 6.6639, 32.9249



0.6130, 0.2880, 1.2921

Previews

White Background



This preview shows how the XYZ color 30.8108, 42.8671, 22.5699 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 30.8108, 42.8671, 22.5699 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 30.8108, 42.8671, 22.5699

Background



This preview shows how black text looks on a background with the XYZ color 30.8108, 42.8671, 22.5699.



This preview shows how white text looks on a background with the XYZ color 30.8108, 42.8671,

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

30.8108, 42.8671, 22.5699

Protanopia

39.0780, 42.3020, 20.2928

Deuteranopia

43.1609, 42.3792, 23.3579



Tritanopia

37.8486, 42.6024, 57.8580

Trichromacy



Original Color

30.8108, 42.8671, 22.5699

Protanomaly

35.4979, 42.2033, 21.0270

Deuteranomaly

37.3632, 41.6476, 22.8992

Tritanomaly

34.8386, 42.6096, 42.4647

Monochromacy



Original Color

30.8108, 42.8671, 22.5699

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.0808, 38.6379, 32.9084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8108, 42.8671, 22.5699 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(131, 190, 114)` looks like.

```
.text, #text, p{  
    color:rgb(131, 190, 114)  
}
```

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(131, 190, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 190, 114) }
```

Border

The CSS property to change the border of an element to XYZ 30.8108, 42.8671, 22.5699 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(131, 190, 114) }
```


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

```
.border{ border-color:rgb(131, 190, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 190, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 190, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 190, 114);  
box-shadow:4px 4px 4px 4px rgb(131, 190,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8108, 42.8671, 22.5699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 190, 114) }
```

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

```
.background{ background-color: rgb(131,  
190, 114) }
```

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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