

Converting Colors

XYZ(22.0886, 33.2870, 5.2608)

Have a look what the booklet for
XYZ(22.0886, 33.2870, 5.2608)
contains.

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Color

**XYZ(22.0886, 33.2870,
5.2608)**

Conversions

Conversions Part 1

Format	Color
Hex	75AC00
RGB	117, 172, 0
RGB Percent	46%, 67%, 0%
CMY	0.5412, 0.3255, 0.9999
CMYK	0.32, 0.00, 1.00, 0.33
HSL	79°, 100%, 34%
HSV	79°, 100%, 67%
XYZ	22.0886, 33.2870, 5.2608
YIQ	135.9470, 22.4320, -65.1520

Conversions

Conversions Part 2

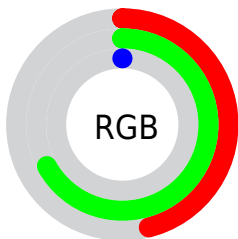
Format	Color
RYB	0, 172, 55
Decimal	7711744
CIELab	64.39, -39.11, 65.76
CIELCh	64, 76.516, 120.742
Yxy	33.2870, 0.3643, 0.5490
Android (android.graphics.Color)	4285901824 (0xFF75AC00)
YUV	135.9470, -67.0219, -16.6165
Hunter-Lab	57.6949, -32.6270, 34.9802

Details

The XYZ color **22.0886, 33.2870, 5.2608** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.0236, 3.7918, 39.2881**, and the grayscale version is **23.6206, 24.8507, 27.0624**.

A 20% lighter version of the original color is **46.5035, 65.0073, 16.9341**, and **8.5213, 14.1858, 2.2890** is the 20% darker color. If you saturate the color by 10%, you get **22.0886, 33.2881, 5.2611**, and if you desaturate by 10%, it is **22.9532, 33.7219, 5.8384**.

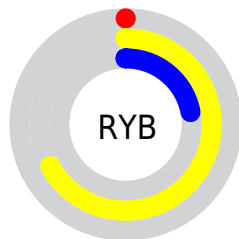
Distribution



Red (46%)

Green (67%)

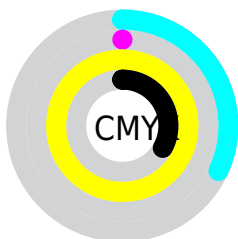
Blue (0%)



Red (0%)

Yellow (67%)

Blue (22%)

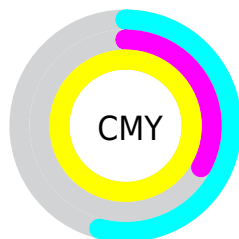


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (54%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0886, 33.2870, 5.2608 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 22.0886, 33.2870, 5.2608 by changing the saturation by 10% instead.

■ 22.0886, 33.2870,
5.2608

■ 22.0886, 33.2870,
5.2608

255.6323,
316.9410, 161.3498

■ 14.0390, 22.3464,
2.3397

■ 46.3702, 64.8233,
16.8265

■ 8.2297, 14.1116,
0.7533

■ 63.3328, 86.1879,
26.3082

■ 4.2953, 8.1984,
0.0000

■ 83.9972, 111.7958,
38.8138

■ 1.8705, 4.2221,
0.0000

■ 108.7286,
142.0316, 54.7619

■ 0.5596, 1.7986,
0.0000

■ 137.8925,
177.2797, 74.5710

■ 0.0000, 0.4863,
0.0000

■ 171.8542,

■ 0.0000, 0.0000,

217.9243, 98.6597

0.0000

210.9790,
264.3499, 127.4464

22.0886, 33.2870,
5.2608

22.0886, 33.2870,
5.2608

22.0886, 33.2881,
5.2611

22.9532, 33.7219,
5.8384

23.9503, 34.2138,
6.8866

25.1168, 34.7786,
8.5928

26.4697, 35.4232,
11.0427

28.0235, 36.1535,
14.3090

■ 29.7910, 36.9747,
18.4559

■ 31.7838, 37.8916,
23.5411

■ 34.0125, 38.9083,
29.6175

■ 36.4870, 40.0291,
36.7338

Harmonies

Analogous

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



31.3676, 33.2870, 3.2592



22.0886, 33.2870, 5.2608



16.6498, 33.2870, 14.1110

Triad

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



22.0886, 33.2870, 5.2608



22.4607, 33.2870, 117.8791



57.5627, 33.2870, 35.4719

Complementary

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



22.0886, 33.2870, 5.2608



9.0236, 3.7918, 39.2881

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.



53.6718, 33.2870, 74.2065



22.0886, 33.2870, 5.2608



31.9105, 33.2870, 135.4876

Square

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



22.0886, 33.2870, 5.2608



16.8273, 33.2870, 76.3991



43.6065, 33.2870, 116.1807



53.2865, 33.2870, 13.4051

Rectangle

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



22.0886, 33.2870, 5.2608



15.1334, 33.2870, 27.4196



43.6065, 33.2870, 116.1807



57.1594, 33.2870, 46.7833

Sweetspot

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



22.0894, 33.2885, 5.2615



57.4491, 68.6419, 42.1554



18.3558, 11.4542, 1.2439



12.1562, 14.7665, 8.3076



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.0894, 33.2885, 5.2615



39.8310, 60.2632, 9.5327



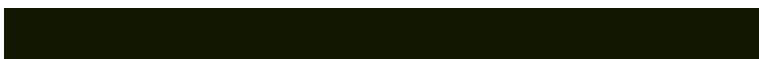
15.3350, 29.8065, 4.9454



8.4098, 9.1999, 8.5459



16.4957, 24.8009, 3.9176



0.5125, 0.7176, 0.1115

Inverse Universe

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



9.0236, 3.7918, 39.2881



16.1640, 6.7723, 71.2610



18.3420, 8.5956, 39.7242



7.8110, 7.8769, 10.0614



6.7658, 2.8478, 29.2376



0.2460, 0.1090, 0.8161

Previews

White Background



This preview shows how the XYZ color 22.0886, 33.2870, 5.2608 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 22.0886, 33.2870, 5.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

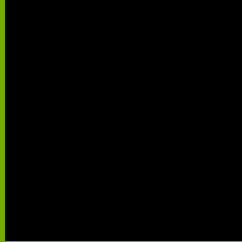
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0886, 33.2870, 5.2608

Background



This preview shows how black text looks on a background with the XYZ color 22.0886, 33.2870, 5.2608.



This preview shows how white text looks on a background with the XYZ color 22.0886, 33.2870,

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

22.0886, 33.2870, 5.2608

Protanopia

29.7930, 33.0070, 4.8007

Deuteranopia

33.6294, 33.0254, 6.0409



Tritanopia

29.9451, 33.2271, 44.3704

Trichromacy



Original Color

22.0886, 33.2870, 5.2608

Protanomaly

26.4379, 32.8092, 4.9394

Deuteranomaly

28.1287, 32.3836, 5.4776

Tritanomaly

24.9920, 32.2659, 19.6626

Monochromacy



Original Color

22.0886, 33.2870, 5.2608

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.5210, 26.8501, 13.0651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0886, 33.2870, 5.2608 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(117, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 172, 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(117, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 172, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.0886, 33.2870, 5.2608 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(117, 172, 0) }
```


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

```
.border{ border-color:rgb(117, 172, 0) }
```

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

Here you see how a box with a 4 pixel rgb(117, 172, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 172,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0886, 33.2870, 5.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 172, 0) }
```

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

```
.background{ background-color: rgb(117,  
172, 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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