

Converting Colors

XYZ(103.1855, 91.9983,
15.3585)

Have a look what the booklet for
XYZ(103.1855, 91.9983, 15.3585)
contains.

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Color

**XYZ(67.9370, 73.7328,
13.6688)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDE32
RGB	255, 222, 50
RGB Percent	100%, 87%, 20%
CMY	0.0000, 0.1294, 0.8039
CMYK	0.00, 0.13, 0.80, 0.00
HSL	50°, 100%, 60%
HSV	50°, 80%, 100%
XYZ	67.9370, 73.7328, 13.6688
YIQ	212.2590, 74.8800, -46.4960

Conversions

Conversions Part 2

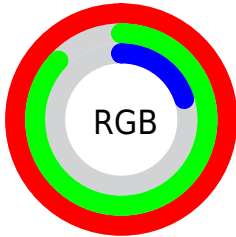
Format	Color
R_{YB}	89, 255, 50
Decimal	16768562
CIE Lab	88.80, -4.65, 80.54
CIE LCh	89, 80.674, 93.307
Yxy	73.7328, 0.4373, 0.4747
Android (android.graphics.Color)	4294958642 (0xFFFFDE32)
YUV	212.2590, -79.9937, 37.4839
Hunter-Lab	85.8678, -9.0428, 50.6694

Details

The XYZ color **67.9370, 73.7328, 13.6688** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **22.4589, 14.0848, 96.1420**, and the grayscale version is **63.2348, 66.5279, 72.4489**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **36.0669, 39.1068, 5.6474** is the 20% darker color. If you saturate the color by 10%, you get **66.4561, 71.4203, 11.1750**, and if you desaturate by 10%, it is **69.7537, 76.2279, 17.7851**.

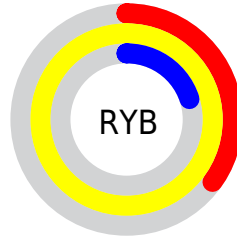
Distribution



Red (100%)

Green (87%)

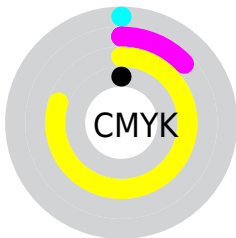
Blue (20%)



Red (35%)

Yellow (100%)

Blue (20%)

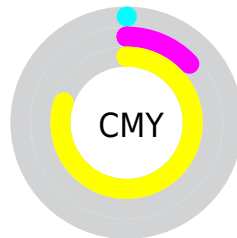


Cyan (0%)

Magenta (13%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9370, 73.7328, 13.6688 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 67.9370, 73.7328, 13.6688 by changing the saturation by 10% instead.

67.9370, 73.7328,
13.6688

67.9370, 73.7328,
13.6688

442.6530,
473.5507, 226.5169

50.1200, 54.5754,
7.7546

115.3044,
124.5170, 33.2088

35.7269, 39.0619,
3.8528

145.5855,
156.9125, 47.6717

24.3925, 26.8078,
1.5449

180.7520,
194.4895, 65.8212

15.7513, 17.4290,
0.2511

221.1693,
237.6324, 88.0758

9.4381, 10.5408,
0.0000

267.2027,
286.7256, 114.8542

5.0874, 5.7590,
0.0000

319.2175,

2.3339, 2.6991,

342.1534, 146.5748

0.0000

377.5792,
404.3003, 183.6562

■ 0.8119, 0.9767,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.9370, 73.7328,
13.6688

■ 67.9370, 73.7328,
13.6688

■ 66.4561, 71.4203,
11.1750

■ 69.7537, 76.2279,
17.7851

■ 65.2757, 69.3318,
9.9420

■ 71.9457, 78.9129,
23.7536

■ 74.5522, 81.8068,
31.7718

■ 77.6057, 84.9229,
42.0104

■ 81.1355, 88.2730,
54.6227

■ 85.1682, 91.8683,
69.7479

■ 89.7284, 95.7187,
87.5148

94.8391, 99.8337,
108.0431

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



88.3376, 73.7328, 17.4355



67.9370, 73.7328, 13.6688



51.4178, 73.7328, 19.7743

Triad

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



67.9370, 73.7328, 13.6688



43.1506, 73.7328, 154.9958



109.2658, 73.7328, 138.9262

Complementary

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



67.9370, 73.7328, 13.6688



22.4589, 14.0848, 96.1420

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.



92.7882, 73.7328, 207.8642



67.9370, 73.7328, 13.6688



54.5305, 73.7328, 219.7819

Square

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



67.9370, 73.7328, 13.6688



38.8810, 73.7328, 86.6471



72.2693, 73.7328, 242.6070



114.6485, 73.7328, 74.2375

Rectangle

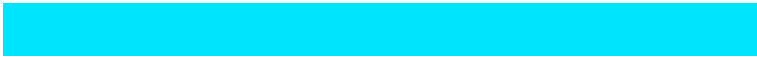
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9370, 73.7328, 13.6688



44.0782, 73.7328, 31.6446



72.2693, 73.7328, 242.6070



104.7071, 73.7328, 163.2070

Sweetspot

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



67.9387, 73.7363, 13.6703



83.6530, 90.5418, 63.9886



43.9877, 24.1845, 10.7727



17.5992, 19.1062, 12.5507



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



67.9387, 73.7363, 13.6703



65.7495, 70.1896, 10.3755



56.7482, 82.2729, 15.9078



19.2977, 20.5635, 19.0964



34.2011, 36.4134, 5.2259



3.3937, 3.6727, 0.5300

Inverse Universe

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



22.4589, 14.0848, 96.1420



19.3012, 9.5329, 95.4305



26.7080, 13.3771, 95.7815



17.2391, 17.8498, 22.7867



9.9158, 4.7412, 49.8271



1.0297, 0.5901, 4.8729

Previews

White Background



This preview shows how the XYZ color 67.9370, 73.7328, 13.6688 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 67.9370, 73.7328, 13.6688 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 67.9370, 73.7328, 13.6688

Background



This preview shows how black text looks on a background with the XYZ color 67.9370, 73.7328, 13.6688.



This preview shows how white text looks on a background with the XYZ color 67.9370, 73.7328,

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

67.9370, 73.7328, 13.6688

Protanopia

67.0150, 74.0508, 13.7788

Deuteranopia

72.6637, 73.5301, 45.0133



Tritanopia

78.1028, 73.6747, 79.9162

Trichromacy



Original Color

67.9370, 73.7328, 13.6688

Protanomaly

67.1083, 73.7011, 13.7064



Deuteranomaly

70.0844, 73.3282, 28.8723



Tritanomaly

72.1410, 72.9098, 43.5285

Monochromacy



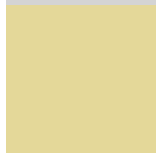
Original Color

67.9370, 73.7328, 13.6688



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

62.3005, 67.9056, 39.9605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9370, 73.7328, 13.6688 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(255, 222, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 50)  
}
```

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(255, 222, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 50) }
```

Border

The CSS property to change the border of an element to XYZ 67.9370, 73.7328, 13.6688 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(255, 222, 50) }
```


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

```
.border{ border-color:rgb(255, 222, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9370, 73.7328, 13.6688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 50) }
```

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

```
.background{ background-color: rgb(255,  
222, 50) }
```

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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