

Converting Colors

XYZ(120.6404, 100.0000,
24.1836)

Have a look what the booklet for
XYZ(120.6404, 100.0000, 24.1836)
contains.

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Color

**XYZ(68.9909, 73.3095,
21.8232)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC61
RGB	255, 220, 97
RGB Percent	100%, 86%, 38%
CMY	0.0000, 0.1372, 0.6196
CMYK	0.00, 0.14, 0.62, 0.00
HSL	47°, 100%, 69%
HSV	47°, 62%, 100%
XYZ	68.9909, 73.3095, 21.8232
YIQ	216.4430, 60.3430, -30.8330

Conversions

Conversions Part 2

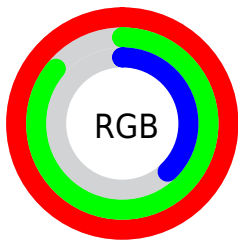
Format	Color
RYB	142, 255, 97
Decimal	16768097
CIELab	88.60, -1.49, 63.29
CIELCh	89, 63.310, 91.347
Yxy	73.3095, 0.4204, 0.4467
Android (android.graphics.Color)	4294958177 (0xFFFFDC61)
YUV	216.4430, -58.8854, 33.8145
Hunter-Lab	85.6210, -6.0066, 44.8228

Details

The XYZ color **68.9909, 73.3095, 21.8232** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.2308, 26.2631, 98.0305**, and the grayscale version is **65.9349, 69.3686, 75.5424**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **36.3610, 38.6725, 7.6459** is the 20% darker color. If you saturate the color by 10%, you get **66.5309, 69.9964, 16.0504**, and if you desaturate by 10%, it is **71.8864, 76.8825, 29.6274**.

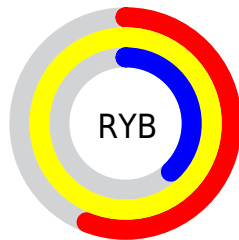
Distribution



Red (100%)

Green (86%)

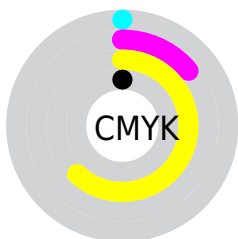
Blue (38%)



Red (56%)

Yellow (100%)

Blue (38%)

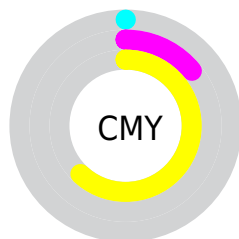


Cyan (0%)

Magenta (14%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9909, 73.3095, 21.8232 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 68.9909, 73.3095, 21.8232 by changing the saturation by 10% instead.

68.9909, 73.3095,
21.8232

68.9909, 73.3095,
21.8232

446.3208,
472.0868, 274.5449

50.9809, 54.2291,
13.5300

116.8027,
123.9165, 47.3520

36.4144, 38.7848,
7.6595

147.3353,
156.2118, 65.4248

24.9260, 26.5924,
3.7932

182.7727,
193.6810, 87.5944

16.1504, 17.2673,
1.5126

223.4804,
236.7082, 114.2794

9.7221, 10.4253,
0.2273

269.8237,
285.6780, 145.8985

5.2760, 5.6818,
0.0000

322.1679,

2.4465, 2.6526,

340.9748, 182.8700

0.0000

380.8785,
402.9829, 225.6127

■ 0.8684, 0.9532,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.9909, 73.3095,
21.8232

■ 68.9909, 73.3095,
21.8232

■ 66.5309, 69.9964,
16.0504

■ 71.8864, 76.8825,
29.6274

■ 64.4627, 66.9166,
12.1038

■ 75.2459, 80.7192,
39.6329

■ 62.7416, 64.0542,
9.7424

■ 79.1011, 84.8359,
51.9970

■ 61.5535, 61.8874,
8.7012

■ 83.4793, 89.2441,
66.8609

■ 88.4056, 93.9548,
84.3551

■ 93.9035, 98.9779,
104.6006

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



84.7231, 73.3095, 26.4425



68.9909, 73.3095, 21.8232



55.4965, 73.3095, 27.3997

Triad

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



68.9909, 73.3095, 21.8232



47.4955, 73.3095, 132.0280



98.7424, 73.3095, 127.2996

Complementary

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



68.9909, 73.3095, 21.8232



31.2308, 26.2631, 98.0305

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.



86.0916, 73.3095, 175.2960



68.9909, 73.3095, 21.8232



56.5295, 73.3095, 178.6553

Square

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



68.9909, 73.3095, 21.8232



44.2596, 73.3095, 81.8136



70.3706, 73.3095, 196.8138



103.3370, 73.3095, 77.8621

Rectangle

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



68.9909, 73.3095, 21.8232



49.1768, 73.3095, 37.9848



70.3706, 73.3095, 196.8138



95.2080, 73.3095, 144.6866

Sweetspot

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



68.9926, 73.3130, 21.8247



84.8793, 90.6066, 71.7587



49.8088, 31.5275, 25.9667



17.8779, 19.1117, 14.3453



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.



68.9926, 73.3130, 21.8247



66.0786, 69.3496, 15.1039



65.3197, 86.5091, 24.5654



19.1999, 20.3679, 19.0638



32.2792, 32.5696, 4.5853



3.2230, 3.3314, 0.4732

Inverse Universe

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



31.2308, 26.2631, 98.0305



25.6894, 19.1334, 96.9469



32.9951, 21.2707, 96.9739



17.3292, 18.0300, 22.8167



10.2722, 5.4540, 49.9459



1.0770, 0.6846, 4.8887

Previews

White Background



This preview shows how the XYZ color 68.9909, 73.3095, 21.8232 looks on a white background.

Color Contrast Check

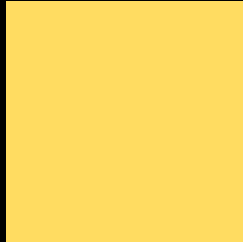
Large Text (above 18pt) WCAG AA × Fail

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 68.9909, 73.3095, 21.8232 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 68.9909, 73.3095, 21.8232

Background



This preview shows how black text looks on a background with the XYZ color 68.9909, 73.3095, 21.8232.



This preview shows how white text looks on a background with the XYZ color 68.9909, 73.3095,

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

68.9909, 73.3095, 21.8232

Protanopia

66.9501, 73.4314, 22.2003

Deuteranopia

72.5874, 73.0883, 45.8790



Tritanopia

77.8535, 73.1762, 79.8331

Trichromacy



Original Color

68.9909, 73.3095, 21.8232

Protanomaly

67.7502, 73.4484, 22.1614

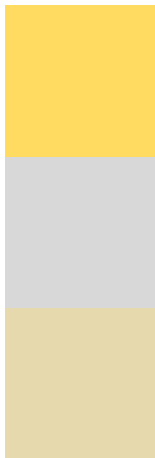
Deuteranomaly

70.7865, 72.7792, 35.1279

Tritanomaly

73.2224, 72.5275, 51.7349

Monochromacy



Original Color

68.9909, 73.3095, 21.8232

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.9888, 69.4658, 49.5181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9909, 73.3095, 21.8232 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, 220, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 97)  
}
```

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, 220, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 97) }
```

Border

The CSS property to change the border of an element to XYZ 68.9909, 73.3095, 21.8232 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, 220, 97) }
```


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

```
.border{ border-color:rgb(255, 220, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9909, 73.3095, 21.8232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 97) }
```

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

```
.background{ background-color: rgb(255,  
220, 97) }
```

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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