

# Converting Colors

XYZ(65.6813, 70.8178, 22.0118)

Have a look what the booklet for  
XYZ(65.6813, 70.8178, 22.0118)  
contains.

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# **Color**

**XYZ(65.6813, 70.8178,  
22.0118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7DA63
RGB	247, 218, 99
RGB Percent	97%, 85%, 39%
CMY	0.0314, 0.1451, 0.6118
CMYK	0.00, 0.12, 0.60, 0.03
HSL	48°, 90%, 68%
HSV	48°, 60%, 97%
XYZ	65.6813, 70.8178, 22.0118
YIQ	213.1050, 55.4830, -30.8610

# Conversions

## Conversions Part 2

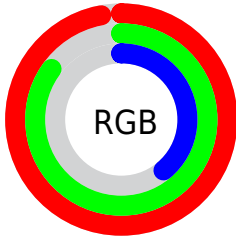
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 247, 99
Decimal	16243299
CIE <sub>Lab</sub>	87.40, -3.62, 60.89
CIE <sub>LCh</sub>	87, 60.997, 93.407
Yxy	70.8178, 0.4144, 0.4468
Android (android.graphics.Color)	4294433379 (0xFFFF7DA63)
<b>YUV</b>	213.1050, -56.2538, 29.7259
Hunter-Lab	84.1533, -7.9498, 43.3990

# Details

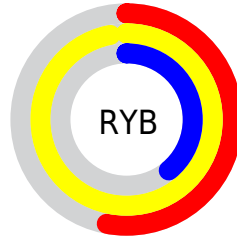
The XYZ color **65.6813, 70.8178, 22.0118** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **29.6531, 24.8056, 91.2203**, and the grayscale version is **63.6564, 66.9715, 72.9319**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **34.2909, 37.0676, 7.7303** is the 20% darker color. If you saturate the color by 10%, you get **63.4403, 67.9455, 16.3034**, and if you desaturate by 10%, it is **68.3233, 73.9145, 29.6365**.

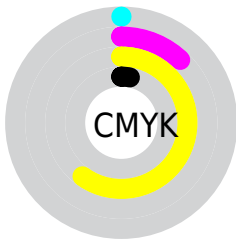
# Distribution



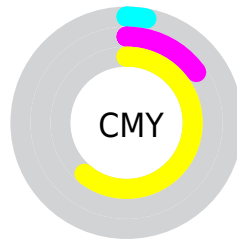
- Red (97%)
- Green (85%)
- Blue (39%)



- Red (53%)
- Yellow (97%)
- Blue (39%)



- Cyan (0%)
- Magenta (12%)
- Yellow (60%)
- Black (3%)



- Cyan (3%)
- Magenta (15%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6813, 70.8178, 22.0118 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 65.6813, 70.8178, 22.0118 by changing the saturation by 10% instead.



65.6813, 70.8178,  
22.0118

65.6813, 70.8178,  
22.0118

434.7429,  
463.4163, 275.5634

48.2805, 52.1935,  
13.6672

112.0891,  
120.3743, 47.6679

34.2612, 37.1594,  
7.7534

141.8267,  
152.0752, 65.8165

23.2582, 25.3309,  
3.8521

176.4074,  
188.9039, 88.0702

14.9060, 16.3238,  
1.5446

216.1963,  
231.2446, 114.8475

8.8393, 9.7535,  
0.2508

261.5590,  
279.4818, 146.5669

4.6928, 5.2359,  
0.0000

312.8608,

2.1011, 2.3863,

333.9999, 183.6470

0.0000

370.4669,  
395.1833, 226.5063

■ 0.6898, 0.8188,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.6813, 70.8178,  
22.0118

■ 65.6813, 70.8178,  
22.0118

■ 63.4403, 67.9455,  
16.3034

■ 68.3233, 73.9145,  
29.6365

■ 61.5609, 65.2732,  
12.3273


■ 71.3914, 77.2381,  
39.3304


■ 60.0039, 62.7876,  
9.8709


■ 74.9144, 80.8033,  
51.2357


■ 58.7020, 60.4611,  
8.5821


■ 78.9170, 84.6203,  
65.4811

 58.6917, 60.4423,  
8.5731

 83.4218, 88.6987,  
82.1851

 88.4502, 93.0476,  
101.4583

 91.1797, 96.5384,  
108.4358

 92.1676, 98.5141,  
108.7651

# Harmonies

## Analogous

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



80.4557, 70.8178, 25.7780



65.6813, 70.8178, 22.0118



53.2116, 70.8178, 28.1105

# Triad

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



65.6813, 70.8178, 22.0118



46.7746, 70.8178, 129.4123



95.1715, 70.8178, 118.2453

# Complementary

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



65.6813, 70.8178, 22.0118



29.6531, 24.8056, 91.2203

# 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.



83.7020, 70.8178, 163.8523



65.6813, 70.8178, 22.0118



55.6807, 70.8178, 171.7495

# Square

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



65.6813, 70.8178, 22.0118



43.3194, 70.8178, 81.9080



68.9658, 70.8178, 186.1790



98.8394, 70.8178, 72.5003



# Rectangle

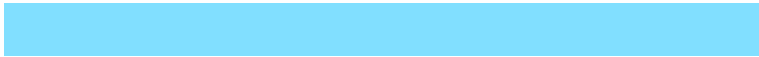
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.6813, 70.8178, 22.0118



47.4697, 70.8178, 38.8941



68.9658, 70.8178, 186.1790



92.0274, 70.8178, 134.5718

# Sweetspot

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



65.6830, 70.8212, 22.0132



85.7192, 91.7848, 73.5849



46.7558, 30.2728, 24.0096



18.0609, 19.3803, 14.7063



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.



65.6830, 70.8212, 22.0132



67.7301, 72.3999, 16.4336



60.0329, 80.0626, 24.0948



17.6227, 18.7296, 17.4839



31.1419, 32.1694, 4.5680



2.8059, 2.9650, 0.4244



# Inverse Universe

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



29.6531, 24.8056, 91.2203



25.9741, 19.1670, 96.9384



32.6480, 21.5153, 90.4274



15.8439, 16.4522, 20.8831



9.5240, 4.8418, 46.9706



0.9057, 0.5629, 4.1511



# Previews

## White Background



This preview shows how the XYZ color 65.6813, 70.8178, 22.0118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

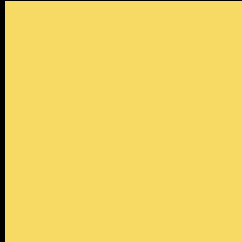
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6813, 70.8178, 22.0118 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 65.6813, 70.8178, 22.0118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.6813, 70.8178, 22.0118.



This preview shows how white text looks on a background with the XYZ color 65.6813, 70.8178,



# 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

65.6813, 70.8178, 22.0118

### Protanopia

64.5458, 70.6186, 22.0332

### Deuteranopia

70.5333, 70.6469, 40.0557



## Tritanopia

76.3625, 70.6231, 78.0135

# Trichromacy



## Original Color

65.6813, 70.8178, 22.0118

## Protanomaly

64.8919, 70.7970, 22.0494

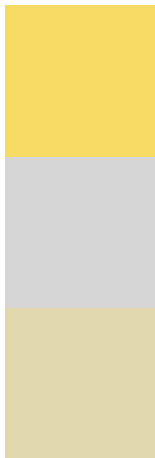
## Deuteranomaly

68.4251, 70.4820, 32.1883

## Tritanomaly

71.1273, 69.9630, 51.3504

# Monochromacy



## Original Color

65.6813, 70.8178, 22.0118

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.7982, 67.5870, 48.7655

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6813, 70.8178, 22.0118 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(247, 218, 99)` looks like.

```
.text, #text, p{  
    color:rgb(247, 218, 99)  
}
```

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(247, 218, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 218, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6813, 70.8178, 22.0118 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(247, 218, 99) }
```



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

```
.border{ border-color:rgb(247, 218, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 218, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 218, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 218, 99);  
box-shadow:4px 4px 4px 4px rgb(247, 218,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6813, 70.8178, 22.0118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 218, 99) }
```

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

```
.background{ background-color: rgb(247,  
218, 99) }
```

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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