

# Converting Colors

XYZ(68.6202, 76.5209, 27.1091)

Have a look what the booklet for  
XYZ(68.6202, 76.5209, 27.1091)  
contains.

<b>XYZ(68.7128, 76.6660, 27.0961)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(68.7128, 76.6660,  
27.0961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E572
RGB	245, 229, 114
RGB Percent	96%, 90%, 45%
CMY	0.0392, 0.1019, 0.5529
CMYK	0.00, 0.07, 0.53, 0.04
HSL	53°, 87%, 70%
HSV	53°, 53%, 96%
XYZ	68.7128, 76.6660, 27.0961
YIQ	220.6740, 46.4510, -32.3730

# Conversions

## Conversions Part 2

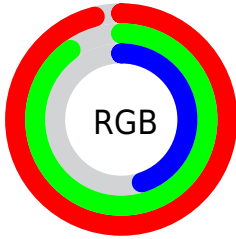
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 245, 114
Decimal	16115058
CIELab	90.17, -8.87, 57.25
CIELCh	90, 57.931, 98.808
Yxy	76.6660, 0.3984, 0.4445
Android (android.graphics.Color)	4294305138 (0xFFFF5E572)
YUV	220.6740, -52.5903, 21.3339
Hunter-Lab	87.5591, -13.1490, 42.9435

# Details

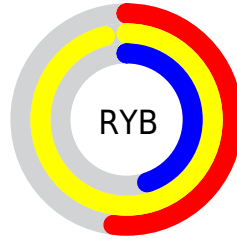
The XYZ color **68.7128, 76.6660, 27.0961** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.4035, 26.1346, 89.7753**, and the grayscale version is **68.8346, 72.4193, 78.8646**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **36.2281, 41.0481, 10.4285** is the 20% darker color. If you saturate the color by 10%, you get **66.6810, 74.5432, 20.4362**, and if you desaturate by 10%, it is **71.1360, 78.9739, 35.7305**.

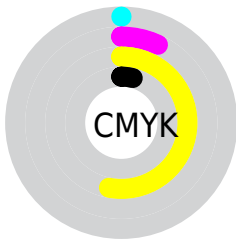
# Distribution



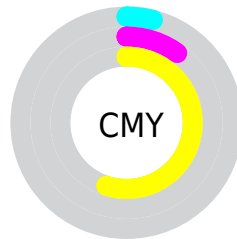
- Red (96%)
- Green (90%)
- Blue (45%)



- Red (52%)
- Yellow (96%)
- Blue (45%)



- Cyan (0%)
- Magenta (7%)
- Yellow (53%)
- Black (4%)



- Cyan (4%)
- Magenta (10%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7128, 76.6660, 27.0961 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 68.7128, 76.6660, 27.0961 by changing the saturation by 10% instead.



68.7128, 76.6660,  
27.0961

68.7128, 76.6660,  
27.0961

445.3546,  
483.6245, 301.8970

50.7536, 56.9788,  
17.4123

116.4076,  
128.6679, 56.0437

36.2328, 40.9882,  
10.3639

146.8739,  
161.7514, 76.1445

24.7850, 28.3099,  
5.5321

182.2400,  
200.0691, 100.5548

16.0448, 18.5594,  
2.4986

222.8713,  
244.0054, 129.6931

9.6469, 11.3523,  
0.8394

269.1330,  
293.9447, 163.9780

5.2260, 6.3043,  
0.0000

321.3906,

2.4166, 3.0310,

350.2713, 203.8278

0.0000

380.0093,  
413.3698, 249.6613

■ 0.8534, 1.1479,  
0.0000

■ 0.0000, 0.0186,  
0.0000

■ 68.7128, 76.6660,  
27.0961

■ 68.7128, 76.6660,  
27.0961

■ 66.6810, 74.5432,  
20.4362

■ 71.1360, 78.9739,  
35.7305

■ 65.0044, 72.5823,  
15.5852


■ 73.9724, 81.4671,  
46.4779


■ 63.6495, 70.7727,  
12.3585


■ 77.2484, 84.1593,  
59.4697

■ 62.5732, 69.0970,  
10.5294


■ 80.9869, 87.0596,  
74.8252


 61.9789, 68.0580,  
9.8699

 85.2090, 90.1766,  
92.6556

 88.9526, 93.1256,  
107.8945

 89.8745, 94.9693,  
108.2018

 90.8111, 96.8425,  
108.5140

 91.4661, 98.1524,  
108.7323

# Harmonies

## Analogous

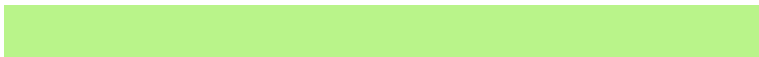
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3375, 76.6660, 29.2403



68.7128, 76.6660, 27.0961



56.8647, 76.6660, 35.6949

# Triad

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



68.7128, 76.6660, 27.0961



53.3611, 76.6660, 143.6504



101.8366, 76.6660, 115.5298

# Complementary

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



68.7128, 76.6660, 27.0961



31.4035, 26.1346, 89.7753

# 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.



91.6248, 76.6660, 161.7202



68.7128, 76.6660, 27.0961



63.3156, 76.6660, 181.3229

# Square

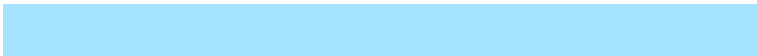
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7128, 76.6660, 27.0961



48.7996, 76.6660, 96.2099



77.1890, 76.6660, 188.8466



103.7802, 76.6660, 71.9189



# Rectangle

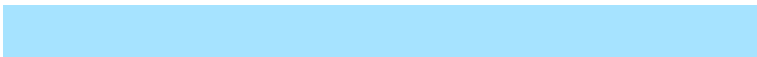
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7128, 76.6660, 27.0961



51.6665, 76.6660, 48.7892



77.1890, 76.6660, 188.8466



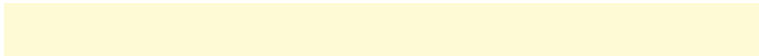
99.1983, 76.6660, 131.6193

# Sweetspot

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



68.7146, 76.6696, 27.0977



87.5946, 94.5081, 77.3775



47.8024, 33.0993, 25.5093



18.5649, 20.0869, 15.8031



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.



68.7146, 76.6696, 27.0977



72.8928, 81.4888, 21.9665



58.7073, 78.3856, 27.9563



17.7319, 18.9479, 17.5203



33.4586, 36.8028, 5.3402



2.9883, 3.3298, 0.4852



# Inverse Universe

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



31.4035, 26.1346, 89.7753



28.2076, 21.0128, 97.1769



37.4066, 26.3130, 89.4933



15.7441, 16.2526, 20.8498



9.1799, 4.1536, 46.8559

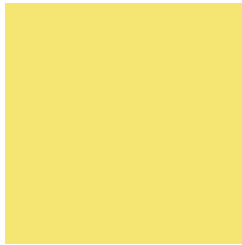


0.8581, 0.4676, 4.1353



# Previews

## White Background



This preview shows how the XYZ color 68.7128, 76.6660, 27.0961 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 68.7128, 76.6660, 27.0961 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 68.7128, 76.6660, 27.0961**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.7128, 76.6660, 27.0961.



This preview shows how white text looks on a background with the XYZ color 68.7128, 76.6660,



# 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

68.7128, 76.6660, 27.0961

### Protanopia

70.2334, 76.6397, 26.7140

### Deuteranopia

75.4369, 76.3091, 54.4692



## Tritanopia

80.6183, 76.7119, 86.9018

# Trichromacy



## Original Color

68.7128, 76.6660, 27.0961

## Protanomaly

69.7910, 76.8188, 26.7719

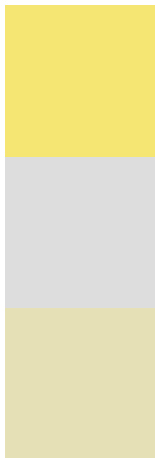
## Deuteranomaly

72.5251, 76.2549, 42.7945

## Tritanomaly

74.8254, 75.8963, 58.8498

# Monochromacy



## Original Color

68.7128, 76.6660, 27.0961

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

67.7323, 73.5117, 54.8753

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.7128, 76.6660, 27.0961 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(245, 229, 114)` looks like.

```
.text, #text, p{  
    color:rgb(245, 229, 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(245, 229, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 229, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 68.7128, 76.6660, 27.0961 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(245, 229, 114) }
```



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

```
.border{ border-color:rgb(245, 229, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 229, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 229, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 229, 114);  
box-shadow:4px 4px 4px 4px rgb(245, 229,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.7128, 76.6660, 27.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 229, 114) }
```

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

```
.background{ background-color: rgb(245,  
229, 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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