

Converting Colors

XYZ(68.7128, 76.6660, 27.0961)

Have a look what the booklet for
XYZ(68.7128, 76.6660, 27.0961)
contains.

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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

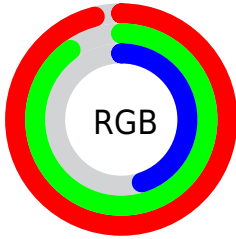
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 132, 245, 114 |
| Decimal | 16115058 |
| CIELab | 90.17, -8.87, 57.25 |
| CIElCh | 90, 57.931, 98.808 |
| Yxy | 76.6660, 0.3984, 0.4445 |
| Android (android.graphics.Color) | 4294305138 (0xFFFF5E572) |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

Details

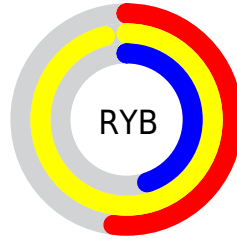
The XYZ color **68.7128, 76.6660, 27.0961** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.4035, 26.1346, 89.7753**, and the grayscale version is **68.8346, 72.4193, 78.8646**.

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**.

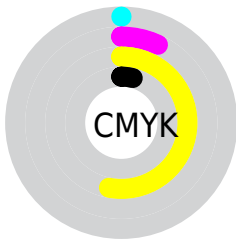
Distribution



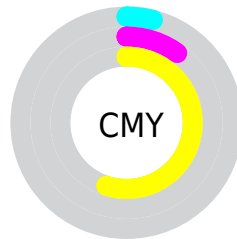
- Red (96%)
- Green (90%)
- Blue (45%)



- 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

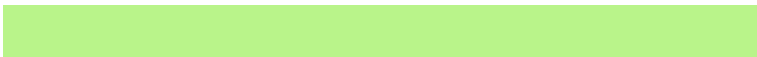
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



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

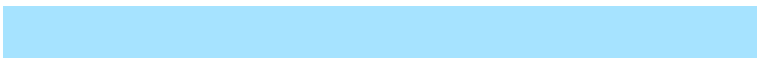
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



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

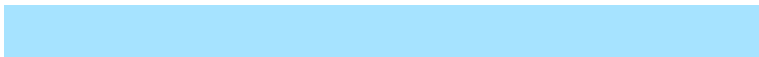
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



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



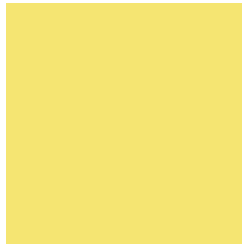
9.1799, 4.1536, 46.8559



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

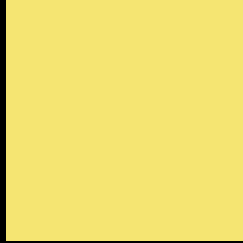
Large Text (above 18pt) WCAG AA × Fail

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

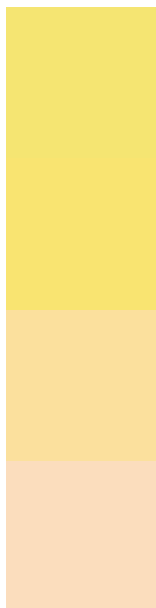
75.4369, 76.3091, 54.4692



Tritanopia

80.6183, 76.7119, 86.9018

Trichromacy



Original Color

68.7128, 76.6660, 27.0961

Protanomaly

69.7910, 76.8188, 26.7719

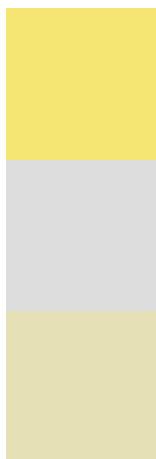
Deuteranomaly

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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