

Converting Colors

XYZ(75.9788, 80.1907, 68.8385)

Have a look what the booklet for
XYZ(75.9788, 80.1907, 68.8385)
contains.

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Color

**XYZ(76.0929, 80.3887,
68.6328)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E7CC
RGB	242, 231, 204
RGB Percent	95%, 91%, 80%
CMY	0.0510, 0.0941, 0.2000
CMYK	0.00, 0.05, 0.16, 0.05
HSL	43°, 59%, 87%
HSV	43°, 16%, 95%
XYZ	76.0929, 80.3887, 68.6328
YIQ	231.2110, 15.2230, -6.0650

Conversions

Conversions Part 2

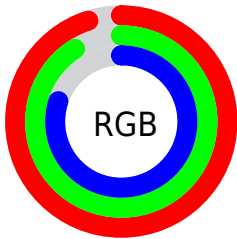
Format	Color
R _Y B	219, 242, 204
Decimal	15919052
CIE Lab	91.86, -0.64, 14.48
CIE LCh	92, 14.495, 92.523
Yxy	80.3887, 0.3380, 0.3571
Android (android.graphics.Color)	4294109132 (0xFFF2E7CC)
YUV	231.2110, -13.4150, 9.4620
Hunter-Lab	89.6597, -5.4142, 17.3765

Details

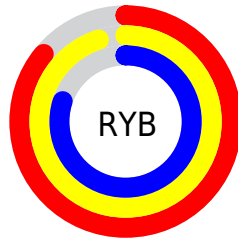
The XYZ color **76.0929, 80.3887, 68.6328** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.2290, 67.8475, 93.6628**, and the grayscale version is **76.2034, 80.1719, 87.3072**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2801, 43.6918, 35.1118** is the 20% darker color. If you saturate the color by 10%, you get **71.4929, 75.4780, 53.8748**, and if you desaturate by 10%, it is **81.2267, 85.6438, 85.7956**.

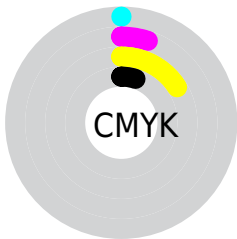
Distribution



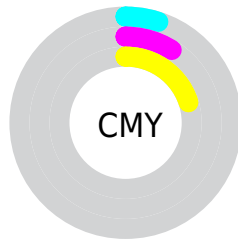
- Red (95%)
- Green (91%)
- Blue (80%)



- Red (86%)
- Yellow (95%)
- Blue (80%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0929, 80.3887, 68.6328 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 76.0929, 80.3887, 68.6328 by changing the saturation by 10% instead.

76.0929, 80.3887,
68.6328

76.0929, 80.3887,
68.6328

470.6052,
496.2418, 474.3936

56.8060, 60.0383,
49.9428

126.8379,
133.9121, 118.9197

41.0890, 43.4495,
34.9971

159.0267,
167.8538, 151.3537

28.5766, 30.2379,
23.3771

196.2468,
207.0948, 189.2062

18.9035, 20.0193,
14.6643

238.8637,
252.0194, 232.8956

11.7041, 12.4090,
8.4401

287.2426,
303.0120, 282.8405

6.6133, 7.0229,
4.2861

341.7489,

3.2656, 3.4764,

360.4570, 339.4594

1.7835

402.7479,
424.7388, 403.1710

■ 1.2957, 1.3852,
0.4171

■ 0.1800, 0.2058,
0.0000

■ 76.0929, 80.3887,
68.6328

■ 76.0929, 80.3887,
68.6328

■ 71.4929, 75.4780,
53.8748

■ 81.2267, 85.6438,
85.7956

■ 67.3986, 70.8908,
41.4070

■ 86.9081, 91.2421,
105.4607

■ 63.7887, 66.6200,
31.1127

■ 89.4824, 95.7258,
108.3684

■ 60.6380, 62.6539,
22.8630

■ 90.4282, 97.6174,
108.6837

■ 57.9185, 58.9798,
16.5155

■ 55.5986, 55.5835,
11.9090

■ 53.6419, 52.4488,
8.8556

■ 52.0031, 49.5560,
7.1231

■ 51.3669, 48.3747,
6.6299

Harmonies

Analogous

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



79.7522, 80.3887, 70.5977



76.0929, 80.3887, 68.6328



72.6288, 80.3887, 71.3812

Triad

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



76.0929, 80.3887, 68.6328



70.5381, 80.3887, 99.0013



82.9246, 80.3887, 97.3170

Complementary

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



76.0929, 80.3887, 68.6328



65.2290, 67.8475, 93.6628

Split Complementary

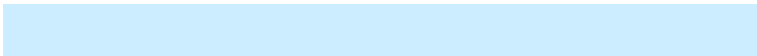
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3141, 80.3887, 105.9465



76.0929, 80.3887, 68.6328



73.1568, 80.3887, 106.9730

Square

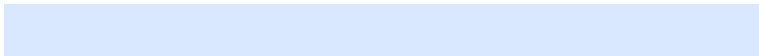
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0929, 80.3887, 68.6328



69.4874, 80.3887, 88.4337



76.7221, 80.3887, 109.6110



83.7715, 80.3887, 86.6318

Rectangle

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



76.0929, 80.3887, 68.6328



70.8746, 80.3887, 75.6575



76.7221, 80.3887, 109.6110



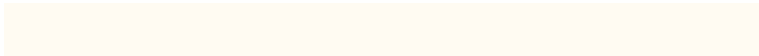
82.2201, 80.3887, 100.5830

Sweetspot

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



76.0951, 80.3923, 68.6345



91.8990, 96.8746, 98.0565



70.5289, 66.9909, 73.7740



19.5781, 20.6428, 20.6742



0.0000, 0.0000, 0.0000



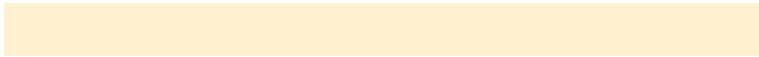
20.3446, 21.4041, 23.3091

Same Dimension

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



76.0951, 80.3923, 68.6345



83.8973, 88.6426, 71.4313



76.7151, 85.4247, 69.5732



16.7141, 17.6413, 16.6739



27.7177, 26.2335, 3.6027



2.3908, 2.3523, 0.3280

Inverse Universe

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



65.2290, 67.8475, 93.6628



69.3993, 71.9060, 104.8293



64.6571, 63.5354, 92.8606



15.2698, 15.9737, 20.0000



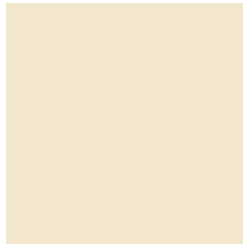
9.8886, 6.0014, 45.7651



0.9050, 0.6640, 3.8347

Previews

White Background



This preview shows how the XYZ color 76.0929, 80.3887, 68.6328 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 76.0929, 80.3887, 68.6328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

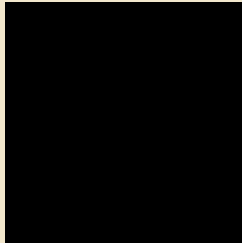
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

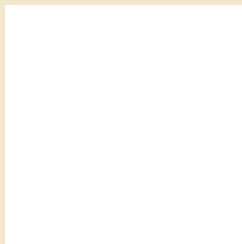
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0929, 80.3887, 68.6328

Background



This preview shows how black text looks on a background with the XYZ color 76.0929, 80.3887, 68.6328.



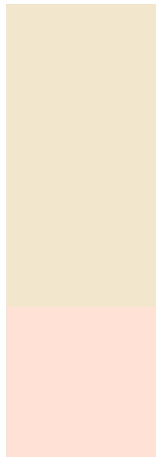
This preview shows how white text looks on a background with the XYZ color 76.0929, 80.3887,

68.6328.

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

76.0929, 80.3887, 68.6328

Protanopia

76.0929, 80.3887, 68.6328

Deuteranopia

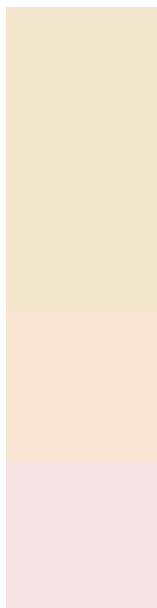
80.4466, 80.4568, 74.2405



Tritanopia

81.4606, 80.0956, 95.9606

Trichromacy



Original Color

76.0929, 80.3887, 68.6328

Protanomaly

76.0929, 80.3887, 68.6328

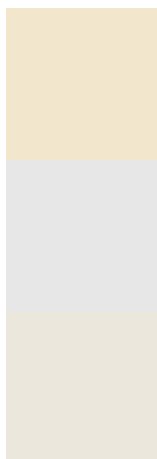
Deuteranomaly

78.8006, 80.4639, 72.3506

Tritanomaly

79.2681, 80.0078, 85.3939

Monochromacy



Original Color

76.0929, 80.3887, 68.6328

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.8880, 80.0345, 79.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0929, 80.3887, 68.6328 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(242, 231, 204)` looks like.

```
.text, #text, p{  
    color:rgb(242, 231, 204)  
}
```

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(242, 231, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 231, 204) }
```

Border

The CSS property to change the border of an element to XYZ 76.0929, 80.3887, 68.6328 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(242, 231, 204) }
```


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

```
.border{ border-color:rgb(242, 231, 204) }
```

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

Here you see how a box with a 4 pixel rgb(242, 231, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 231, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 231, 204);  
box-shadow:4px 4px 4px 4px rgb(242, 231,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0929, 80.3887, 68.6328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 231, 204) }
```

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

```
.background{ background-color: rgb(242,  
231, 204) }
```

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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