

Converting Colors

XYZ(68.3278, 76.2127, 29.3681)

Have a look what the booklet for
XYZ(68.3278, 76.2127, 29.3681)
contains.

XYZ(68.4943, 76.4985, 29.5680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.4943, 76.4985,
29.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	F3E57A
RGB	243, 229, 122
RGB Percent	95%, 90%, 48%
CMY	0.0471, 0.1019, 0.5216
CMYK	0.00, 0.06, 0.50, 0.05
HSL	53°, 83%, 72%
HSV	53°, 50%, 95%
XYZ	68.4943, 76.4985, 29.5680
YIQ	220.9880, 42.6910, -30.3090

Conversions

Conversions Part 2

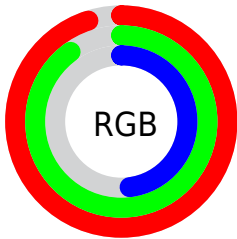
Format	Color
R_{YB}	138, 243, 122
Decimal	15983994
CIE _{Lab}	90.09, -9.01, 53.40
CIE _{LCh}	90, 54.155, 99.581
Yxy	76.4985, 0.3924, 0.4382
Android (android.graphics.Color)	4294174074 (0xFFFF3E57A)
YUV	220.9880, -48.8011, 19.3045
Hunter-Lab	87.4634, -13.2742, 41.1807

Details

The XYZ color **68.4943, 76.4985, 29.5680** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.0076, 28.2160, 88.5002**, and the grayscale version is **69.0314, 72.6264, 79.0902**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **36.2178, 41.0161, 11.6382** is the 20% darker color. If you saturate the color by 10%, you get **66.4024, 74.4304, 22.3486**, and if you desaturate by 10%, it is **70.9790, 78.7495, 38.7770**.

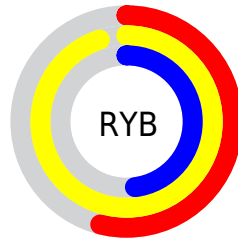
Distribution



Red (95%)

Green (90%)

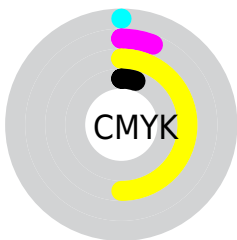
Blue (48%)



Red (54%)

Yellow (95%)

Blue (48%)

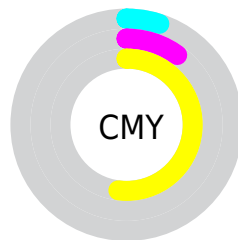


Cyan (0%)

Magenta (6%)

Yellow (50%)

Black (5%)



Cyan (5%)

Magenta (10%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4943, 76.4985, 29.5680 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 68.4943, 76.4985, 29.5680 by changing the saturation by 10% instead.

68.4943, 76.4985,
29.5680

68.4943, 76.4985,
29.5680

444.5947,
483.0524, 314.0300

50.5751, 56.8414,
19.2617

116.0970,
128.4313, 60.0312

36.0902, 40.8779,
11.6808

146.5113,
161.4758, 81.0252

24.6743, 28.2237,
6.4068

181.8213,
199.7515, 106.4188

15.9620, 18.4943,
3.0212

222.3923,
243.6429, 136.6305

9.5880, 11.3055,
1.1055

268.5899,
293.5342, 172.0790

5.1868, 6.2727,
0.0000

320.7792,

2.3932, 3.0116,

349.8100, 213.1827

0.0000

379.3257,
412.8546, 260.3602

■ 0.8417, 1.1378,
0.0000

■ 0.0000, 0.0100,
0.0000

■ 68.4943, 76.4985,
29.5680

■ 68.4943, 76.4985,
29.5680

■ 66.4024, 74.4304,
22.3486

■ 70.9790, 78.7495,
38.7770

■ 64.6689, 72.5229,
16.9635


■ 73.8765, 81.1830,
50.1061


■ 63.2631, 70.7664,
13.2421


■ 77.2123, 83.8122,
63.6800


■ 62.1460, 69.1452,
10.9795


■ 81.0079, 86.6458,
79.6126


 61.2538, 67.6338,
9.8407

 85.2836, 89.6918,
98.0100

 61.2362, 67.6031,
9.8212

 87.9276, 92.1058,
107.7517

 88.7883, 93.8272,
108.0386

 89.6619, 95.5745,
108.3298

 90.5486, 97.3479,
108.6253

Harmonies

Analogous

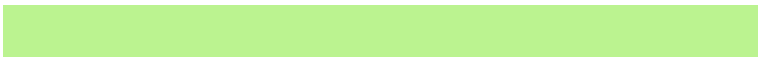
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0998, 76.4985, 31.4187



68.4943, 76.4985, 29.5680



57.4608, 76.4985, 38.2952

Triad

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



68.4943, 76.4985, 29.5680



54.5616, 76.4985, 139.8844



99.7052, 76.4985, 111.8637

Complementary

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



68.4943, 76.4985, 29.5680



33.0076, 28.2160, 88.5002

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.



90.4423, 76.4985, 154.3155



68.4943, 76.4985, 29.5680



64.0641, 76.4985, 173.6446

Square

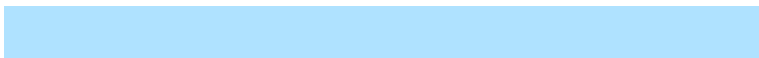
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.4943, 76.4985, 29.5680



50.0961, 76.4985, 96.2238



77.0942, 76.4985, 179.6142



101.2721, 76.4985, 71.5774

Rectangle

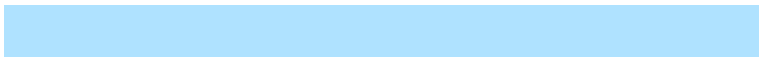
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4943, 76.4985, 29.5680



52.6306, 76.4985, 51.1694



77.0942, 76.4985, 179.6142



97.3385, 76.4985, 126.6492

Sweetspot

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



68.4961, 76.5021, 29.5696



88.0969, 94.9868, 79.1664



48.3743, 34.7554, 27.4959



18.6679, 20.1894, 16.1567



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.



68.4961, 76.5021, 29.5696



74.0111, 82.9650, 24.6834



58.4894, 77.3249, 30.2558



17.7415, 18.9671, 17.5235



33.6732, 37.2321, 5.4117



3.0050, 3.3633, 0.4908

Inverse Universe

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



33.0076, 28.2160, 88.5002



30.2092, 23.4043, 97.5330



39.3680, 28.7580, 88.2696



15.7355, 16.2352, 20.8469



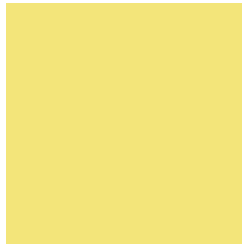
9.1569, 4.1075, 46.8482



0.8540, 0.4594, 4.1339

Previews

White Background



This preview shows how the XYZ color 68.4943, 76.4985, 29.5680 looks on a white background.

Color Contrast Check

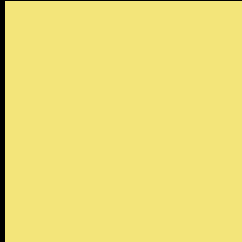
Large Text (above 18pt) WCAG AA × Fail

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 68.4943, 76.4985, 29.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

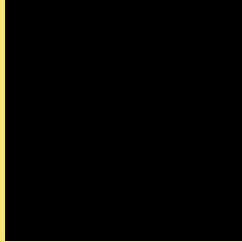
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4943, 76.4985, 29.5680

Background



This preview shows how black text looks on a background with the XYZ color 68.4943, 76.4985, 29.5680.



This preview shows how white text looks on a background with the XYZ color 68.4943, 76.4985,

29.5680.

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

68.4943, 76.4985, 29.5680

Protanopia

70.3446, 76.6426, 29.1751

Deuteranopia

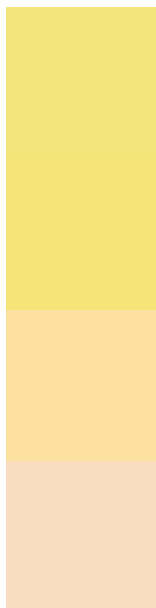
75.4369, 76.3091, 54.4692



Tritanopia

80.1369, 76.0658, 87.5493

Trichromacy



Original Color

68.4943, 76.4985, 29.5680

Protanomaly

69.5524, 76.6414, 29.2166

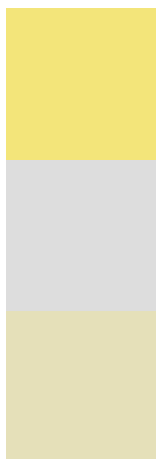
Deuteranomaly

72.7845, 76.3586, 44.1602

Tritanomaly

74.9064, 75.8872, 61.1518

Monochromacy



Original Color

68.4943, 76.4985, 29.5680

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.7257, 73.4721, 56.5109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4943, 76.4985, 29.5680 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(243, 229, 122)` looks like.

```
.text, #text, p{  
    color:rgb(243, 229, 122)  
}
```

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(243, 229, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 229, 122) }
```

Border

The CSS property to change the border of an element to XYZ 68.4943, 76.4985, 29.5680 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(243, 229, 122) }
```


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

```
.border{ border-color:rgb(243, 229, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 229, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 229, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 229, 122);  
box-shadow:4px 4px 4px 4px rgb(243, 229,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4943, 76.4985, 29.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 229, 122) }
```

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

```
.background{ background-color: rgb(243,  
229, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor