

Converting Colors

XYZ(103.7466, 100.0000,
32.9264)

Have a look what the booklet for
XYZ(103.7466, 100.0000, 32.9264)
contains.

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Color

**XYZ(76.6302, 86.2195,
31.6720)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF27C
RGB	255, 242, 124
RGB Percent	100%, 95%, 49%
CMY	0.0000, 0.0510, 0.5137
CMYK	0.00, 0.05, 0.51, 0.00
HSL	54°, 100%, 74%
HSV	54°, 51%, 100%
XYZ	76.6302, 86.2195, 31.6720
YIQ	232.4350, 45.6260, -33.9420

Conversions

Conversions Part 2

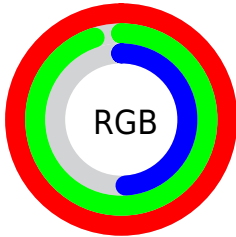
Format	Color
RYB	138, 255, 124
Decimal	16773756
CIELab	94.41, -10.53, 57.84
CIELCh	94, 58.789, 100.315
Yxy	86.2195, 0.3939, 0.4432
Android (android.graphics.Color)	4294963836 (0xFFFFF27C)
YUV	232.4350, -53.4585, 19.7895
Hunter-Lab	92.8545, -15.1842, 44.7747

Details

The XYZ color **76.6302, 86.2195, 31.6720** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.3077, 29.3955, 98.4203**, and the grayscale version is **77.3941, 81.4247, 88.6715**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **41.4293, 47.2958, 12.7398** is the 20% darker color. If you saturate the color by 10%, you get **74.4748, 84.1643, 24.0004**, and if you desaturate by 10%, it is **79.2171, 88.4703, 41.5462**.

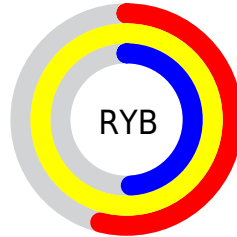
Distribution



Red (100%)

Green (95%)

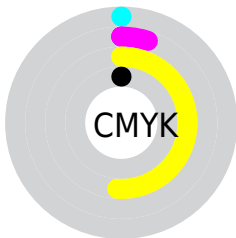
Blue (49%)



Red (54%)

Yellow (100%)

Blue (49%)

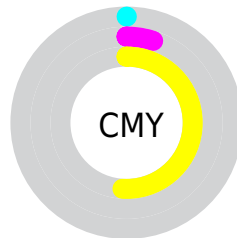


Cyan (0%)

Magenta (5%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6302, 86.2195, 31.6720 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 76.6302, 86.2195, 31.6720 by changing the saturation by 10% instead.


 76.6302, 86.2195,
31.6720

 76.6302, 86.2195,
31.6720


472.4136,
515.6547, 324.0689


 57.2483, 64.8495,
20.8484


 127.5930,
142.0758, 63.3885

 41.4455, 47.3391,
12.8230


 159.9045,
177.3308, 85.1183

 28.8566, 33.3038,
7.1775


 197.2566,
217.9830, 111.3207

 19.1161, 22.3593,
3.4932

240.0147,
264.4167, 142.4141

 11.8587, 14.1211,
1.3517

288.5441,
317.0163, 178.8171

 6.7190, 8.2049,
0.1036

343.2101,

 3.3318, 4.2264,

376.1663, 220.9482

0.0000

404.3782,
442.2509, 269.2260

■ 1.3315, 1.8010,
0.0000

■ 0.2066, 0.4878,
0.0000

■ 76.6302, 86.2195,
31.6720

■ 76.6302, 86.2195,
31.6720

■ 74.4748, 84.1643,
24.0004

■ 79.2171, 88.4703,
41.5462

■ 72.7118, 82.2795,
18.3531

■ 82.2587, 90.9166,
53.7723

■ 71.3054, 80.5538,
14.5331

■ 85.7838, 93.5730,
68.4926

■ 70.2103, 78.9691,
12.3013

■ 89.8169, 96.4495,
85.8366

■ 69.4553, 77.6909,
11.3352

94.3812, 99.5553,
105.9249

95.0498, 99.9999,
108.9000

Harmonies

Analogous

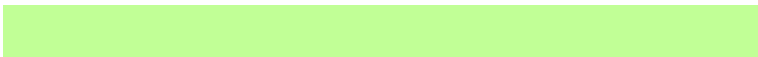
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6111, 86.2195, 33.4878



76.6302, 86.2195, 31.6720



63.8280, 86.2195, 41.9483

Triad

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



76.6302, 86.2195, 31.6720



60.9041, 86.2195, 162.1476



114.0004, 86.2195, 126.3313

Complementary

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



76.6302, 86.2195, 31.6720



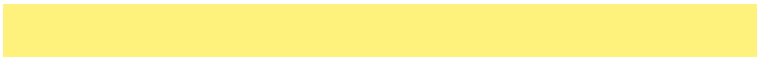
35.3077, 29.3955, 98.4203

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.



103.2112, 86.2195, 177.0451



76.6302, 86.2195, 31.6720



72.1384, 86.2195, 201.8990

Square

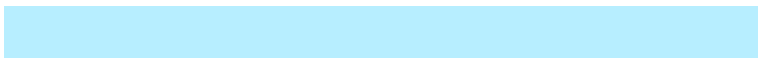
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6302, 86.2195, 31.6720



55.5534, 86.2195, 110.3303



87.5085, 86.2195, 208.0883



115.6080, 86.2195, 79.1490

Rectangle

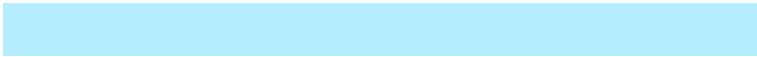
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6302, 86.2195, 31.6720



58.2943, 86.2195, 57.0554



87.5085, 86.2195, 208.0883



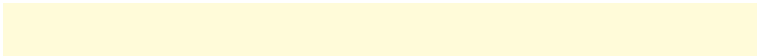
111.2673, 86.2195, 143.8779

Sweetspot

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



76.6323, 86.2235, 31.6738



88.2935, 95.3800, 79.2319



52.9707, 37.4852, 28.1492



18.7158, 20.2851, 16.1727



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

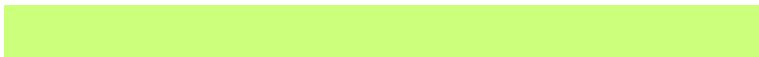
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6323, 86.2235, 31.6738



74.3530, 84.0411, 23.5876



63.9182, 85.6156, 32.2265



19.3982, 20.7646, 19.1299



36.3549, 40.7209, 5.9438



3.5825, 4.0503, 0.5930

Inverse Universe

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



35.3077, 29.3955, 98.4203



28.8276, 21.4729, 97.2330



43.2535, 30.9132, 98.2944



17.1479, 17.6674, 22.7563



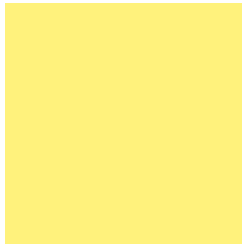
9.6639, 4.2373, 49.7431



0.9869, 0.5046, 4.8586

Previews

White Background



This preview shows how the XYZ color 76.6302, 86.2195, 31.6720 looks on a white background.

Color Contrast Check

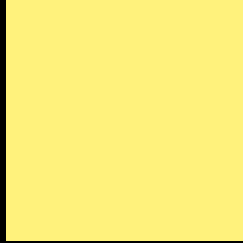
Large Text (above 18pt) WCAG AA × Fail

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 76.6302, 86.2195, 31.6720 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 76.6302, 86.2195, 31.6720

Background



This preview shows how black text looks on a background with the XYZ color 76.6302, 86.2195, 31.6720.



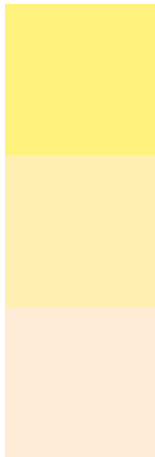
This preview shows how white text looks on a background with the XYZ color 76.6302, 86.2195,

31.6720.

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

76.6302, 86.2195, 31.6720

Protanopia

79.9430, 86.1276, 53.4851

Deuteranopia

83.5012, 86.1572, 76.5190



Tritanopia

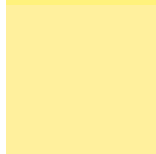
86.5566, 86.0089, 96.8334

Trichromacy



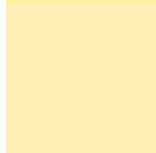
Original Color

76.6302, 86.2195, 31.6720



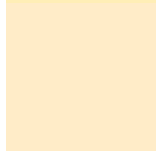
Protanomaly

78.4859, 86.0145, 44.3641



Deuteranomaly

80.2580, 85.7865, 56.5844



Tritanomaly

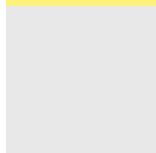
81.6608, 85.4210, 66.8275

Monochromacy



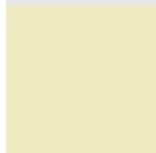
Original Color

76.6302, 86.2195, 31.6720



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

75.5563, 82.3664, 62.3681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6302, 86.2195, 31.6720 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(255, 242, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 124)  
}
```

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(255, 242, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 124) }
```

Border

The CSS property to change the border of an element to XYZ 76.6302, 86.2195, 31.6720 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(255, 242, 124) }
```


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

```
.border{ border-color:rgb(255, 242, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6302, 86.2195, 31.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 124) }
```

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

```
.background{ background-color: rgb(255,  
242, 124) }
```

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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