

Converting Colors

XYZ(100.0032, 98.8704,
33.0413)

Have a look what the booklet for
XYZ(100.0032, 98.8704, 33.0413)
contains.

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Color

**XYZ(76.9287, 86.8164,
31.7715)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF37C
RGB	255, 243, 124
RGB Percent	100%, 95%, 49%
CMY	0.0000, 0.0470, 0.5137
CMYK	0.00, 0.05, 0.51, 0.00
HSL	55°, 100%, 74%
HSV	55°, 51%, 100%
XYZ	76.9287, 86.8164, 31.7715
YIQ	233.0220, 45.3510, -34.4650

Conversions

Conversions Part 2

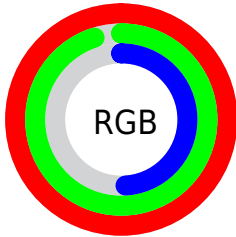
Format	Color
RYB	137, 255, 124
Decimal	16774012
CIELab	94.66, -11.02, 58.14
CIELCh	95, 59.174, 100.732
Yxy	86.8164, 0.3935, 0.4440
Android (android.graphics.Color)	4294964092 (0xFFFFFFFF37C)
YUV	233.0220, -53.7478, 19.2747
Hunter-Lab	93.1753, -15.6812, 45.0056

Details

The XYZ color **76.9287, 86.8164, 31.7715** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.1663, 29.1127, 98.3733**, and the grayscale version is **77.8387, 81.8923, 89.1808**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **41.6408, 47.7186, 12.8103** is the 20% darker color. If you saturate the color by 10%, you get **74.8267, 84.8679, 24.1177**, and if you desaturate by 10%, it is **79.4607, 88.9575, 41.6275**.

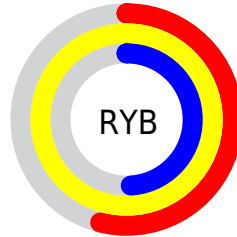
Distribution



Red (100%)

Green (95%)

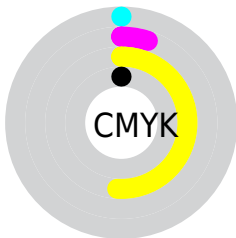
Blue (49%)



Red (54%)

Yellow (100%)

Blue (49%)

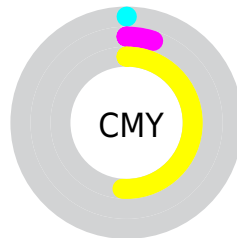


Cyan (0%)

Magenta (5%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9287, 86.8164, 31.7715 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 76.9287, 86.8164, 31.7715 by changing the saturation by 10% instead.

 76.9287, 86.8164,
31.7715


 76.9287, 86.8164,
31.7715


473.4166,
517.6194, 324.5376


 57.4941, 65.3433,
20.9237


 128.0122,
142.9082, 63.5464

 41.6437, 47.7395,
12.8775


 160.3918,
178.2957, 85.3106

 29.0123, 33.6206,
7.2145

 197.8171,
219.0901, 111.5507

 19.2345, 22.6023,
3.5161

240.6535,
265.6757, 142.6851

 11.9448, 14.3001,
1.3638

289.2662,
318.4371, 179.1325

 6.7781, 8.3297,
0.1133

344.0208,

 3.3688, 4.3066,

377.7586, 221.3113

0.0000

405.2824,
444.0245, 269.6402

■ 1.3516, 1.8465,
0.0000

■ 0.2214, 0.5159,
0.0000

■ 76.9287, 86.8164,
31.7715

■ 76.9287, 86.8164,
31.7715

■ 74.8267, 84.8679,
24.1177

■ 79.4607, 88.9575,
41.6275

■ 73.1155, 83.0868,
18.4877

■ 82.4459, 91.2909,
53.8348

■ 71.7595, 81.4618,
14.6845

■ 85.9130, 93.8313,
68.5357

■ 70.7132, 79.9748,
12.4689

■ 89.8867, 96.5888,
85.8599

■ 69.9991, 78.7785,
11.5164

94.3898, 99.5725,
105.9279

95.0499, 99.9999,
108.9000

Harmonies

Analogous

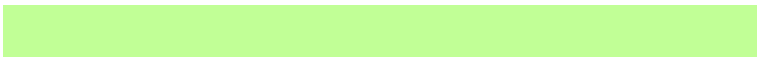
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0710, 86.8164, 33.4377



76.9287, 86.8164, 31.7715



64.0555, 86.8164, 42.3168

Triad

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



76.9287, 86.8164, 31.7715



61.3640, 86.8164, 164.3176



115.0343, 86.8164, 126.6234

Complementary

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



76.9287, 86.8164, 31.7715



35.1663, 29.1127, 98.3733

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.



104.2217, 86.8164, 178.0671



76.9287, 86.8164, 31.7715



72.7915, 86.8164, 204.2347

Square

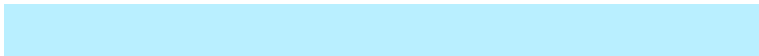
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9287, 86.8164, 31.7715



55.8713, 86.8164, 111.8706



88.3683, 86.8164, 209.9499



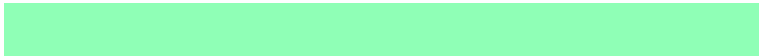
116.5171, 86.8164, 79.0778

Rectangle

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



76.9287, 86.8164, 31.7715



58.5209, 86.8164, 57.7190



88.3683, 86.8164, 209.9499



112.3104, 86.8164, 144.3776

Sweetspot

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



76.9308, 86.8204, 31.7733



88.3849, 95.5627, 79.2624



52.9707, 37.4852, 28.1492



18.7380, 20.3296, 16.1801



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

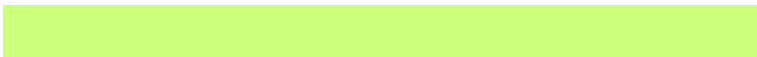
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9308, 86.8204, 31.7733



74.7080, 84.7513, 23.7059



63.9183, 85.6157, 32.2266



19.4107, 20.7895, 19.1341



36.6348, 41.2808, 6.0371



3.6068, 4.0990, 0.6011

Inverse Universe

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



35.1663, 29.1127, 98.3733



28.6945, 21.2067, 97.1887



43.2536, 30.9132, 98.2946



17.1367, 17.6450, 22.7526



9.6400, 4.1895, 49.7352



0.9817, 0.4940, 4.8569

Previews

White Background



This preview shows how the XYZ color 76.9287, 86.8164, 31.7715 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 76.9287, 86.8164, 31.7715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

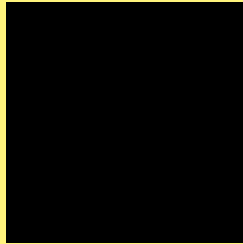
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.9287, 86.8164, 31.7715

Background



This preview shows how black text looks on a background with the XYZ color 76.9287, 86.8164, 31.7715.

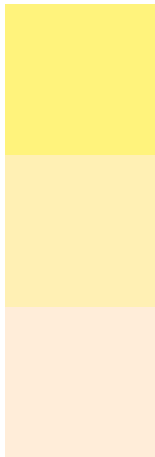


This preview shows how white text looks on a background with the XYZ color 76.9287, 86.8164,

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

76.9287, 86.8164, 31.7715

Protanopia

80.6383, 86.8755, 55.6986

Deuteranopia

84.0486, 86.8381, 77.9772



Tritanopia

86.9920, 86.6373, 97.7257

Trichromacy



Original Color

76.9287, 86.8164, 31.7715



Protanomaly

79.0405, 86.7087, 45.8283



Deuteranomaly

80.6537, 86.4119, 57.2280



Tritanomaly

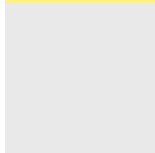
81.9495, 85.9985, 66.9237

Monochromacy



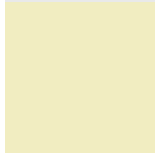
Original Color

76.9287, 86.8164, 31.7715



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

76.1855, 83.1194, 62.4803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9287, 86.8164, 31.7715 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, 243, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 124) }
```

Border

The CSS property to change the border of an element to XYZ 76.9287, 86.8164, 31.7715 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, 243, 124) }
```


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

```
.border{ border-color:rgb(255, 243, 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, 243, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 243, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 243, 124); box-shadow:4px 4px 4px 4px rgb(255, 243, 124) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9287, 86.8164, 31.7715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 124) }
```

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

```
.background{ background-color: rgb(255,  
243, 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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