

Converting Colors

XYZ(106.8224, 101.6224,
33.3319)

Have a look what the booklet for
XYZ(106.8224, 101.6224, 33.3319)
contains.

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Color

**XYZ(76.6938, 86.2449,
32.0068)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF27D
RGB	255, 242, 125
RGB Percent	100%, 95%, 49%
CMY	0.0000, 0.0510, 0.5098
CMYK	0.00, 0.05, 0.51, 0.00
HSL	54°, 100%, 75%
HSV	54°, 51%, 100%
XYZ	76.6938, 86.2449, 32.0068
YIQ	232.5490, 45.3050, -33.6310

Conversions

Conversions Part 2

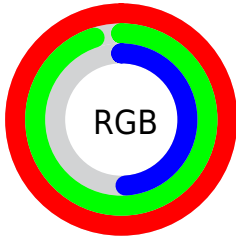
Format	Color
RYB	139, 255, 125
Decimal	16773757
CIELab	94.42, -10.44, 57.39
CIELCh	94, 58.335, 100.314
Yxy	86.2449, 0.3934, 0.4424
Android (android.graphics.Color)	4294963837 (0xFFFFF27D)
YUV	232.5490, -53.0217, 19.6895
Hunter-Lab	92.8681, -15.1076, 44.5735

Details

The XYZ color **76.6938, 86.2449, 32.0068** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.5958, 29.7561, 98.4748**, and the grayscale version is **77.4769, 81.5117, 88.7663**.

A 20% lighter version of the original color is **85.2382, 96.0753, 57.2319**, and **41.4936, 47.3215, 13.0779** is the 20% darker color. If you saturate the color by 10%, you get **74.5169, 84.1719, 24.2503**, and if you desaturate by 10%, it is **79.3036, 88.5143, 41.9723**.

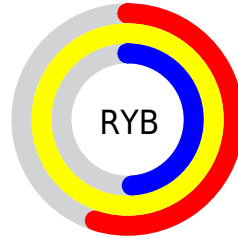
Distribution



Red (100%)

Green (95%)

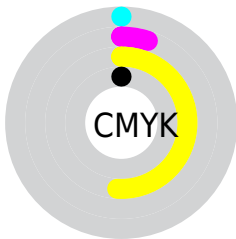
Blue (49%)



Red (55%)

Yellow (100%)

Blue (49%)

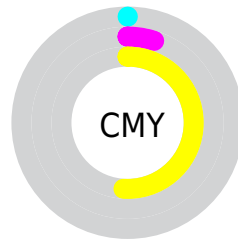


Cyan (0%)

Magenta (5%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6938, 86.2449, 32.0068 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 76.6938, 86.2449, 32.0068 by changing the saturation by 10% instead.

 76.6938, 86.2449,
32.0068

 76.6938, 86.2449,
32.0068


472.6274,
515.7384, 325.6439


 57.3006, 64.8705,
21.1018


 127.6823,
142.1112, 63.9198

 41.4877, 47.3561,
13.0065


 160.0084,
177.3719, 85.7649

 28.8897, 33.3172,
7.3022


 197.3761,
218.0301, 112.0938

 19.1413, 22.3696,
3.5705

240.1509,
264.4703, 143.3250

 11.8770, 14.1287,
1.3928

288.6980,
317.0768, 179.8770

 6.7316, 8.2102,
0.1361

343.3829,

 3.3396, 4.2298,

376.2341, 222.1685

0.0000

404.5709,
442.3265, 270.6180

■ 1.3358, 1.8029,
0.0000

■ 0.2098, 0.4890,
0.0000

■ 76.6938, 86.2449,
32.0068

■ 76.6938, 86.2449,
32.0068

■ 74.5169, 84.1719,
24.2503

■ 79.3036, 88.5143,
41.9723

■ 72.7339, 82.2702,
18.5254

■ 82.3693, 90.9798,
54.2956

■ 71.3094, 80.5287,
14.6363

■ 85.9196, 93.6563,
69.1183

■ 70.1982, 78.9292,
12.3458

■ 89.9791, 96.5536,
86.5697

■ 69.4013, 77.5827,
11.3171

94.5708, 99.6808,
106.7700

95.0499, 99.9999,
108.9000

Harmonies

Analogous

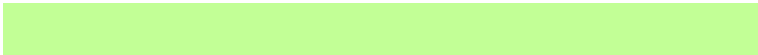
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5519, 86.2449, 33.8212



76.6938, 86.2449, 32.0068



63.9772, 86.2449, 42.2642

Triad

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



76.6938, 86.2449, 32.0068



61.0706, 86.2449, 161.5613



113.7552, 86.2449, 126.0905

Complementary

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



76.6938, 86.2449, 32.0068



35.5958, 29.7561, 98.4748

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.



103.0621, 86.2449, 176.3074



76.6938, 86.2449, 32.0068



72.2329, 86.2449, 200.8923

Square

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



76.6938, 86.2449, 32.0068



55.7503, 86.2449, 110.2261



87.4895, 86.2449, 207.0139



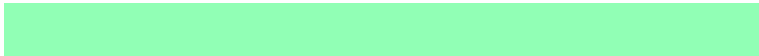
115.3483, 86.2449, 79.2820

Rectangle

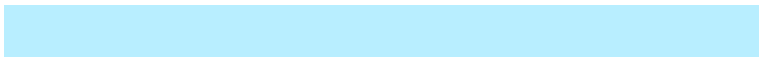
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6938, 86.2449, 32.0068



58.4763, 86.2449, 57.3137



87.4895, 86.2449, 207.0139



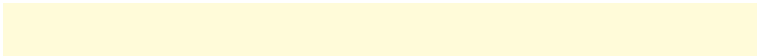
111.0470, 86.2449, 143.4739

Sweetspot

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



76.6959, 86.2489, 32.0086



88.2844, 95.3617, 79.2288



53.1616, 37.7631, 28.5330



18.7135, 20.2807, 16.1719



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

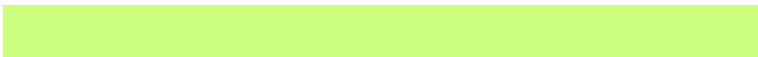
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6959, 86.2489, 32.0086



74.5130, 84.1680, 24.2363



64.0907, 85.6972, 32.5664



19.3969, 20.7621, 19.1295



36.3270, 40.6652, 5.9345



3.5800, 4.0454, 0.5922

Inverse Universe

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



35.5958, 29.7561, 98.4748



29.3753, 22.1589, 97.3366



43.5159, 31.2354, 98.3429



17.1490, 17.6697, 22.7567



9.6663, 4.2423, 49.7439



0.9875, 0.5056, 4.8588

Previews

White Background



This preview shows how the XYZ color 76.6938, 86.2449, 32.0068 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 76.6938, 86.2449, 32.0068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

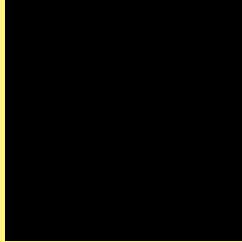
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.6938, 86.2449, 32.0068

Background



This preview shows how black text looks on a background with the XYZ color 76.6938, 86.2449, 32.0068.



This preview shows how white text looks on a background with the XYZ color 76.6938, 86.2449,

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

76.6938, 86.2449, 32.0068

Protanopia

79.9430, 86.1276, 53.4851

Deuteranopia

83.5012, 86.1572, 76.5190



Tritanopia

86.5566, 86.0089, 96.8334

Trichromacy



Original Color

76.6938, 86.2449, 32.0068



Protanomaly

78.4859, 86.0145, 44.3641



Deuteranomaly

80.2580, 85.7865, 56.5844



Tritanomaly

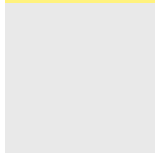
81.6608, 85.4210, 66.8275

Monochromacy



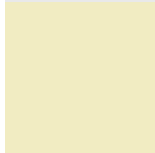
Original Color

76.6938, 86.2449, 32.0068



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

76.0087, 82.5867, 62.9737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6938, 86.2449, 32.0068 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 125) }
```

Border

The CSS property to change the border of an element to XYZ 76.6938, 86.2449, 32.0068 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, 125) }
```


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

```
.border{ border-color:rgb(255, 242, 125) }
```

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, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6938, 86.2449, 32.0068 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, 125) }
```

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

```
.background{ background-color: rgb(255,  
242, 125) }
```

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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