

Converting Colors

XYZ(75.9739, 87.1692, 24.4610)

Have a look what the booklet for
XYZ(75.9739, 87.1692, 24.4610)
contains.

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Color

**XYZ(76.0970, 87.4467,
24.4234)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF562
RGB	255, 245, 98
RGB Percent	100%, 96%, 38%
CMY	0.0000, 0.0392, 0.6157
CMYK	0.00, 0.04, 0.62, 0.00
HSL	56°, 100%, 69%
HSV	56°, 62%, 100%
XYZ	76.0970, 87.4467, 24.4234
YIQ	231.2320, 53.1470, -43.5970

Conversions

Conversions Part 2

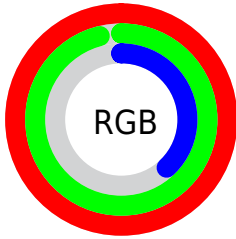
Format	Color
R _Y B	109, 255, 98
Decimal	16774498
CIE Lab	94.93, -13.86, 69.73
CIE LCh	95, 71.098, 101.238
Yxy	87.4467, 0.4048, 0.4652
Android (android.graphics.Color)	4294964578 (0xFFFFF562)
YUV	231.2320, -65.6834, 20.8445
Hunter-Lab	93.5129, -18.3917, 49.9739

Details

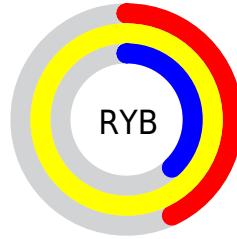
The XYZ color **76.0970, 87.4467, 24.4234** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.4496, 20.5413, 97.0725**, and the grayscale version is **76.5769, 80.5649, 87.7352**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **41.0531, 48.1372, 8.9614** is the 20% darker color. If you saturate the color by 10%, you get **74.5916, 86.0656, 18.8984**, and if you desaturate by 10%, it is **77.9942, 88.9980, 31.9724**.

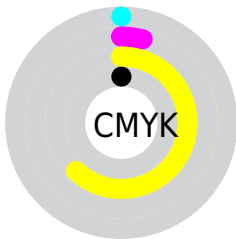
Distribution



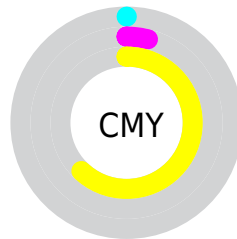
- Red (100%)
- Green (96%)
- Blue (38%)



- Red (43%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (4%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.0970, 87.4467, 24.4234 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 76.0970, 87.4467, 24.4234 by changing the saturation by 10% instead.


 76.0970, 87.4467,
24.4234

 76.0970, 87.4467,
24.4234


470.6190,
519.6896, 288.3093

 56.8094, 65.8649,
15.4329


 126.8436,
143.7866, 51.6727

 41.0918, 48.1628,
8.9738


 159.0334,
179.3135, 70.7686

 28.5788, 33.9558,
4.6275


 196.2545,
220.2576, 94.0700

 18.9051, 22.8596,
1.9755

 238.8724,
267.0033, 121.9956

 11.7053, 14.4899,
0.5402

287.2525,
319.9349, 154.9637

 6.6141, 8.4622,
0.0000

341.7600,

 3.2661, 4.3921,

379.4369, 193.3930

0.0000

402.7604,
445.8937, 237.7020

■ 1.2960, 1.8952,
0.0000

■ 0.1802, 0.5455,
0.0000

■ 76.0970, 87.4467,
24.4234

■ 76.0970, 87.4467,
24.4234

■ 74.5916, 86.0656,
18.8984

■ 77.9942, 88.9980,
31.9724

■ 73.4339, 84.8271,
15.1927

■ 80.3101, 90.7204,
41.7135

■ 72.5805, 83.7173,
13.0679

■ 83.0760, 92.6297,
53.8033

■ 72.0387, 82.8578,
12.1963

■ 86.3188, 94.7367,
68.3826

90.0630, 97.0513,
85.5811

94.3316, 99.5825,
105.5196

95.0497, 99.9999,
108.9000

Harmonies

Analogous

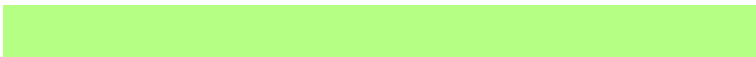
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.6204, 87.4467, 25.9085



76.0970, 87.4467, 24.4234



60.9919, 87.4467, 35.6060

Triad

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



76.0970, 87.4467, 24.4234



58.2355, 87.4467, 183.7660



123.3978, 87.4467, 133.6149

Complementary

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



76.0970, 87.4467, 24.4234



28.4496, 20.5413, 97.0725

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.



110.0305, 87.4467, 199.4668



76.0970, 87.4467, 24.4234



71.7512, 87.4467, 235.3028

Square

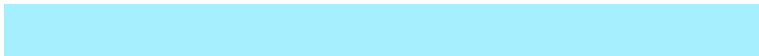
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0970, 87.4467, 24.4234



51.7950, 87.4467, 117.4443



90.5527, 87.4467, 241.9568



125.0439, 87.4467, 75.9834

Rectangle

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



76.0970, 87.4467, 24.4234



54.6652, 87.4467, 52.7148



90.5527, 87.4467, 241.9568



120.0395, 87.4467, 155.9933

Sweetspot

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



76.0990, 87.4508, 24.4252



87.5961, 95.5386, 74.2105



48.3397, 31.0888, 17.7720



18.5252, 20.3088, 14.8611



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.



76.0990, 87.4508, 24.4252



74.2797, 85.7519, 17.8376



58.4503, 82.9622, 24.4890



19.4564, 20.8810, 19.1493



37.6844, 43.3800, 6.3870



3.6979, 4.2812, 0.6315

Inverse Universe

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



28.4496, 20.5413, 97.0725



23.0635, 13.8817, 96.0716



38.1513, 24.0670, 97.2417



17.0958, 17.5632, 22.7389



9.5651, 4.0398, 49.7102



0.9624, 0.4554, 4.8505

Previews

White Background



This preview shows how the XYZ color 76.0970, 87.4467, 24.4234 looks on a white background.

Color Contrast Check

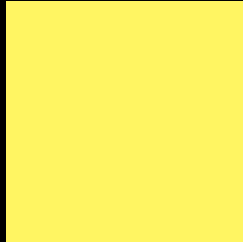
Large Text (above 18pt) WCAG AA × Fail

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 76.0970, 87.4467, 24.4234 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 76.0970, 87.4467, 24.4234

Background



This preview shows how black text looks on a background with the XYZ color 76.0970, 87.4467, 24.4234.



This preview shows how white text looks on a background with the XYZ color 76.0970, 87.4467,

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

76.0970, 87.4467, 24.4234

Protanopia

81.2425, 87.5895, 57.4243

Deuteranopia

84.4694, 87.4710, 78.7612



Tritanopia

87.2775, 87.2083, 97.8208

Trichromacy



Original Color

76.0970, 87.4467, 24.4234



Protanomaly

78.6596, 87.0313, 42.3587



Deuteranomaly

80.3353, 87.2266, 52.6467



Tritanomaly

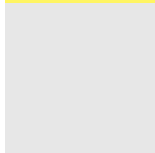
81.5105, 86.7546, 61.7395

Monochromacy



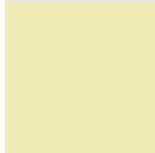
Original Color

76.0970, 87.4467, 24.4234



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

74.4779, 81.9351, 56.6894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0970, 87.4467, 24.4234 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, 245, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 98)  
}
```

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, 245, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 98) }
```

Border

The CSS property to change the border of an element to XYZ 76.0970, 87.4467, 24.4234 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, 245, 98) }
```


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

```
.border{ border-color:rgb(255, 245, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0970, 87.4467, 24.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 98) }
```

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

```
.background{ background-color: rgb(255,  
245, 98) }
```

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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