

Converting Colors

XYZ(76.9616, 84.1434, 25.1781)

Have a look what the booklet for
XYZ(76.9616, 84.1434, 25.1781)
contains.

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Color

**XYZ(74.0229, 82.8278,
25.1827)**

Conversions

Conversions Part 1

Format	Color
Hex	FFED68
RGB	255, 237, 104
RGB Percent	100%, 93%, 41%
CMY	0.0000, 0.0706, 0.5921
CMYK	0.00, 0.07, 0.59, 0.00
HSL	53°, 100%, 70%
HSV	53°, 59%, 100%
XYZ	74.0229, 82.8278, 25.1827
YIQ	227.2200, 53.4210, -37.5470

Conversions

Conversions Part 2

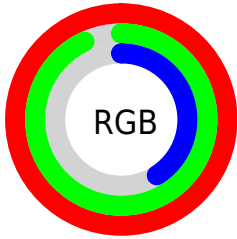
Format	Color
RYB	124, 255, 104
Decimal	16772456
CIELab	92.94, -9.54, 65.06
CIELCh	93, 65.756, 98.344
Yxy	82.8278, 0.4066, 0.4550
Android (android.graphics.Color)	4294962536 (0xFFFFE68)
YUV	227.2200, -60.7475, 24.3631
Hunter-Lab	91.0098, -14.0840, 47.3011

Details

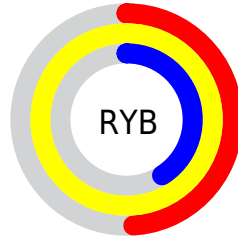
The XYZ color **74.0229, 82.8278, 25.1827** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.7185, 24.0816, 97.6366**, and the grayscale version is **73.5769, 77.4086, 84.2980**.

A 20% lighter version of the original color is **83.2580, 95.2832, 46.8042**, and **39.5631, 44.8632, 9.3706** is the 20% darker color. If you saturate the color by 10%, you get **72.0468, 80.6446, 19.0716**, and if you desaturate by 10%, it is **76.4093, 85.2052, 33.3640**.

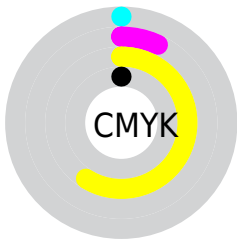
Distribution



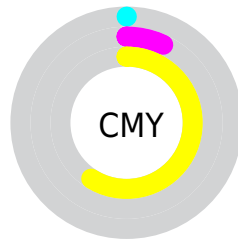
- Red (100%)
- Green (93%)
- Blue (41%)



- Red (49%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (7%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.0229, 82.8278, 25.1827 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 74.0229, 82.8278, 25.1827 by changing the saturation by 10% instead.


 74.0229, 82.8278,
25.1827

 74.0229, 82.8278,
25.1827


463.6015,
504.4124, 292.2233

 55.1041, 62.0481,
15.9930


 123.9236,
137.3343, 52.9213


 39.7193, 45.0716,
9.3649


 155.6362,
171.8298, 72.3072

 27.5030, 31.5138,
4.8799


 192.3442,
211.6661, 95.9289

 18.0899, 20.9904,
2.1195

 234.4129,
257.2275, 124.2049

 11.1146, 13.1170,
0.6273

282.2076,
308.8985, 157.5538

 6.2118, 7.5092,
0.0000

336.0937,

 3.0162, 3.7825,

367.0633, 196.3942

0.0000

396.4365,
432.1065, 241.1445

■ 1.1623, 1.5527,
0.0000

■ 0.0763, 0.3254,
0.0000

■ 74.0229, 82.8278,
25.1827

■ 74.0229, 82.8278,
25.1827

■ 72.0468, 80.6446,
19.0716

■ 76.4093, 85.2052,
33.3640

■ 70.4387, 78.6293,
14.8331


■ 79.2323, 87.7780,
43.7790


■ 69.1569, 76.7681,
12.2405

■ 82.5226, 90.5619,
56.5805

■ 68.1361, 75.0348,
10.9496

■ 86.3064, 93.5674,
71.9065

 68.0606, 74.9015,
10.8703

 90.6081, 96.8043,
89.8845

95.0498, 99.9999,
108.9000

Harmonies

Analogous

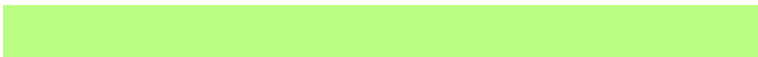
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5722, 82.8278, 27.6895



74.0229, 82.8278, 25.1827



59.9383, 82.8278, 34.4279

Triad

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



74.0229, 82.8278, 25.1827



55.5306, 82.8278, 162.6334



113.6383, 82.8278, 129.8508

Complementary

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



74.0229, 82.8278, 25.1827



30.7185, 24.0816, 97.6366

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.



101.0773, 82.8278, 186.7388



74.0229, 82.8278, 25.1827



67.1400, 82.8278, 209.9698

Square

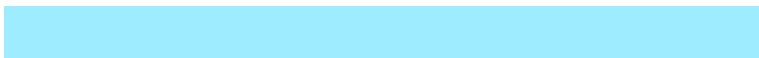
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.0229, 82.8278, 25.1827



50.3267, 82.8278, 104.6403



83.6228, 82.8278, 220.1121



116.1918, 82.8278, 77.1270

Rectangle

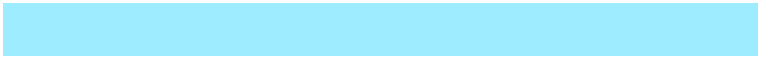
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.0229, 82.8278, 25.1827



53.7955, 82.8278, 49.0489



83.6228, 82.8278, 220.1121



110.3667, 82.8278, 149.5891

Sweetspot

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



74.0248, 82.8317, 25.1844



86.8009, 93.9482, 73.9454



49.8373, 32.6201, 22.7838



18.3282, 19.9148, 14.7954



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.



74.0248, 82.8317, 25.1844



71.7339, 80.2729, 18.1832



61.9807, 84.7484, 26.1891



19.3656, 20.6993, 19.1190



35.6365, 39.2843, 5.7044



3.5198, 3.9249, 0.5721

Inverse Universe

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



30.7185, 24.0816, 97.6366



25.0098, 16.9531, 96.5618



37.3720, 24.5302, 97.3725



17.1773, 17.7263, 22.7661



9.7338, 4.3771, 49.7664



1.0008, 0.5322, 4.8633

Previews

White Background



This preview shows how the XYZ color 74.0229, 82.8278, 25.1827 looks on a white background.

Color Contrast Check

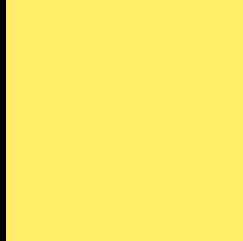
Large Text (above 18pt) WCAG AA × Fail

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 74.0229, 82.8278, 25.1827 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 74.0229, 82.8278, 25.1827

Background



This preview shows how black text looks on a background with the XYZ color 74.0229, 82.8278, 25.1827.

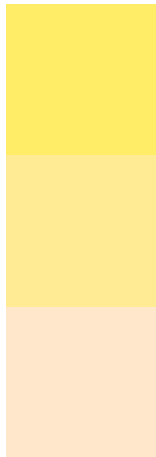


This preview shows how white text looks on a background with the XYZ color 74.0229, 82.8278,

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

74.0229, 82.8278, 25.1827

Protanopia

76.2148, 82.7832, 39.5656

Deuteranopia

80.5954, 82.7236, 68.2193



Tritanopia

84.4160, 82.9199, 92.4448

Trichromacy



Original Color

74.0229, 82.8278, 25.1827



Protanomaly

75.3322, 82.8896, 33.5016



Deuteranomaly

77.3540, 82.3278, 48.3731



Tritanomaly

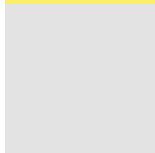
79.0012, 82.0860, 59.8245

Monochromacy



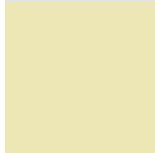
Original Color

74.0229, 82.8278, 25.1827



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.9445, 78.5338, 55.6226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.0229, 82.8278, 25.1827 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, 237, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 104)  
}
```

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, 237, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 104) }
```

Border

The CSS property to change the border of an element to XYZ 74.0229, 82.8278, 25.1827 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, 237, 104) }
```


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

```
.border{ border-color:rgb(255, 237, 104) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 74.0229, 82.8278, 25.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 104) }
```

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

```
.background{ background-color: rgb(255,  
237, 104) }
```

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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