

Converting Colors

XYZ(72.6577, 78.4346, 29.8537)

Have a look what the booklet for
XYZ(72.6577, 78.4346, 29.8537)
contains.

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Color

**XYZ(72.7722, 78.7038,
29.7682)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE57A
RGB	255, 229, 122
RGB Percent	100%, 90%, 48%
CMY	0.0000, 0.1019, 0.5216
CMYK	0.00, 0.10, 0.52, 0.00
HSL	48°, 100%, 74%
HSV	48°, 52%, 100%
XYZ	72.7722, 78.7038, 29.7682
YIQ	224.5760, 49.8430, -27.7650

Conversions

Conversions Part 2

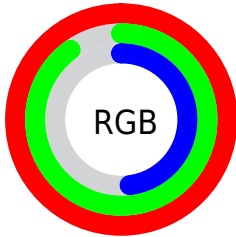
Format	Color
RYB	154, 255, 122
Decimal	16770426
CIELab	91.10, -4.22, 54.85
CIELCh	91, 55.012, 94.401
Yxy	78.7038, 0.4015, 0.4342
Android (android.graphics.Color)	4294960506 (0xFFFFE57A)
YUV	224.5760, -50.5700, 26.6818
Hunter-Lab	88.7152, -8.8297, 42.2060

Details

The XYZ color **72.7722, 78.7038, 29.7682** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.6657, 32.5363, 98.9551**, and the grayscale version is **71.5917, 75.3201, 82.0236**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **38.9752, 42.4375, 11.7673** is the 20% darker color. If you saturate the color by 10%, you get **70.0363, 75.4374, 22.0577**, and if you desaturate by 10%, it is **75.9660, 82.2225, 39.6779**.

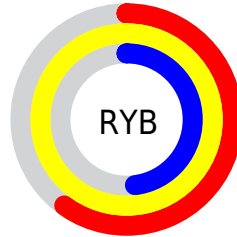
Distribution



Red (100%)

Green (90%)

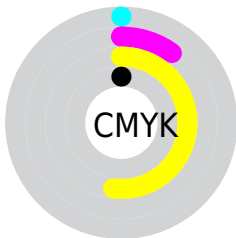
Blue (48%)



Red (60%)

Yellow (100%)

Blue (48%)

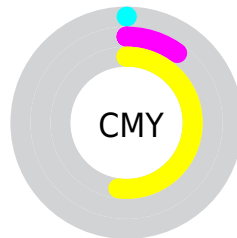


Cyan (0%)

Magenta (10%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7722, 78.7038, 29.7682 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 72.7722, 78.7038, 29.7682 by changing the saturation by 10% instead.


 72.7722, 78.7038,
29.7682


 72.7722, 78.7038,
29.7682


459.3409,
490.5537, 314.9961


 54.0774, 58.6523,
19.4122


 122.1586,
131.5418, 60.3521

 38.8945, 42.3333,
11.7886


 153.5810,
165.0971, 81.4170

 26.8580, 29.3624,
6.4791


 189.9766,
203.9224, 106.8886

 17.6026, 19.3551,
3.0651

231.7109,
248.4022, 137.1854

 10.7630, 11.9272,
1.1280

279.1491,
298.9208, 172.7261

 5.9738, 6.6941,
0.0000

332.6566,

 2.8697, 3.2715,

355.8627, 213.9290

0.0000

392.5987,
419.6122, 261.2129

■ 1.0852, 1.2751,
0.0000

■ 0.0127, 0.1218,
0.0000

■ 72.7722, 78.7038,
29.7682

■ 72.7722, 78.7038,
29.7682

■ 70.0363, 75.4374,
22.0577

■ 75.9660, 82.2225,
39.6779

■ 67.7191, 72.3984,
16.3669

■ 79.6419, 85.9951,
51.9378

■ 65.7839, 69.5746,
12.4958

■ 83.8291, 90.0364,
66.6912

■ 64.1843, 66.9466,
10.2011

■ 88.5524, 94.3572,
84.0686

■ 63.1101, 65.0003,
9.2201

■ 93.8354, 98.9672,
104.1912

95.0499, 99.9999,
108.9000

Harmonies

Analogous

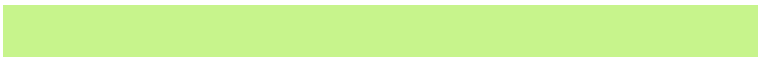
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9656, 78.7038, 33.5191



72.7722, 78.7038, 29.7682



60.6908, 78.7038, 36.7617

Triad

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



72.7722, 78.7038, 29.7682



54.8384, 78.7038, 136.6587



101.6082, 78.7038, 123.2297

Complementary

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



72.7722, 78.7038, 29.7682



36.6657, 32.5363, 98.9551

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.



90.9549, 78.7038, 165.6963



72.7722, 78.7038, 29.7682



63.8355, 78.7038, 174.9863

Square

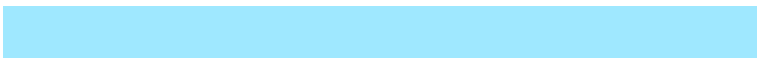
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7722, 78.7038, 29.7682



51.1842, 78.7038, 91.7075



76.8765, 78.7038, 186.9878



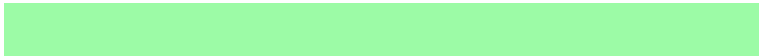
104.7632, 78.7038, 79.9513

Rectangle

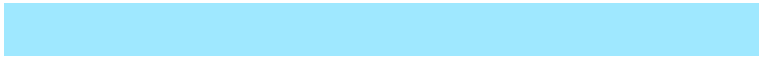
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7722, 78.7038, 29.7682



55.0996, 78.7038, 48.3961



76.8765, 78.7038, 186.9878



98.7256, 78.7038, 138.4573

Sweetspot

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



72.7741, 78.7075, 29.7698



86.6719, 92.6627, 77.0699



53.5929, 37.3370, 32.6497



18.3430, 19.6431, 15.7292



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

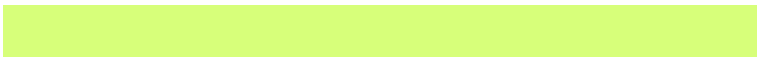
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7741, 78.7075, 29.7698



69.8251, 75.1723, 21.5017



67.3268, 87.3873, 31.7323



19.2418, 20.4519, 19.0778



33.0833, 34.1778, 4.8533



3.2947, 3.4748, 0.4970

Inverse Universe

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



36.6657, 32.5363, 98.9551



30.1307, 24.4754, 97.7439



39.8902, 28.8109, 98.0661



17.2903, 17.9523, 22.8038



10.1049, 5.1194, 49.8901



1.0554, 0.6415, 4.8815

Previews

White Background



This preview shows how the XYZ color 72.7722, 78.7038, 29.7682 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 72.7722, 78.7038, 29.7682 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 72.7722, 78.7038, 29.7682

Background



This preview shows how black text looks on a background with the XYZ color 72.7722, 78.7038, 29.7682.



This preview shows how white text looks on a background with the XYZ color 72.7722, 78.7038,

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

72.7722, 78.7038, 29.7682

Protanopia

72.3177, 78.8814, 29.8264

Deuteranopia

77.4595, 78.8281, 59.8480



Tritanopia

81.6619, 78.7991, 87.2496

Trichromacy



Original Color

72.7722, 78.7038, 29.7682

Protanomaly

72.6827, 79.0696, 29.8435



Deuteranomaly

75.2279, 78.3693, 46.7592



Tritanomaly

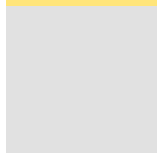
77.4101, 78.3771, 60.9175

Monochromacy



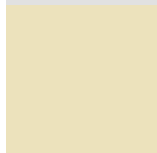
Original Color

72.7722, 78.7038, 29.7682



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

70.8655, 75.8564, 58.4837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7722, 78.7038, 29.7682 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, 229, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 122)  
}
```

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, 229, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 122) }
```

Border

The CSS property to change the border of an element to XYZ 72.7722, 78.7038, 29.7682 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, 229, 122) }
```


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

```
.border{ border-color:rgb(255, 229, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7722, 78.7038, 29.7682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 122) }
```

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

```
.background{ background-color: rgb(255,  
229, 122) }
```

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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