

Converting Colors

XYZ(114.8450, 100.0000,
31.3239)

Have a look what the booklet for
XYZ(114.8450, 100.0000, 31.3239)
contains.

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Color

**XYZ(72.4346, 78.1273,
29.3515)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE479
RGB	255, 228, 121
RGB Percent	100%, 89%, 47%
CMY	0.0000, 0.1059, 0.5255
CMYK	0.00, 0.11, 0.53, 0.00
HSL	48°, 100%, 74%
HSV	48°, 53%, 100%
XYZ	72.4346, 78.1273, 29.3515
YIQ	223.8750, 50.4390, -27.5530

Conversions

Conversions Part 2

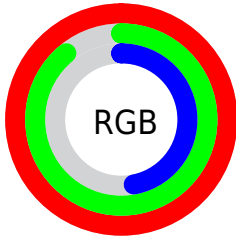
Format	Color
R_{YB}	155, 255, 121
Decimal	16770169
CIE _{Lab}	90.84, -3.80, 55.01
CIE _{LCh}	91, 55.137, 93.952
Yxy	78.1273, 0.4026, 0.4342
Android (android.graphics.Color)	4294960249 (0xFFFFE479)
YUV	223.8750, -50.7174, 27.2966
Hunter-Lab	88.3896, -8.4026, 42.1844

Details

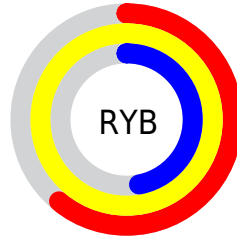
The XYZ color **72.4346, 78.1273, 29.3515** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.5248, 32.4636, 98.9484**, and the grayscale version is **71.0896, 74.7918, 81.4483**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **38.7519, 42.0403, 11.5410** is the 20% darker color. If you saturate the color by 10%, you get **69.6813, 74.8012, 21.7122**, and if you desaturate by 10%, it is **75.6469, 81.7101, 39.1843**.

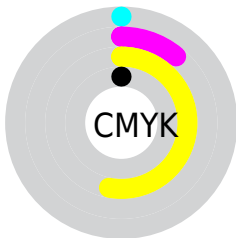
Distribution



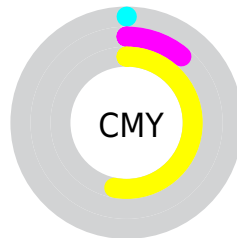
- Red (100%)
- Green (89%)
- Blue (47%)



- Red (61%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (11%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4346, 78.1273, 29.3515 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 72.4346, 78.1273, 29.3515 by changing the saturation by 10% instead.


 72.4346, 78.1273,
29.3515


 72.4346, 78.1273,
29.3515


458.1871,
488.5990, 312.9825


 53.8005, 58.1786,
19.0990


 121.6817,
130.7296, 59.6839

 38.6722, 41.9522,
11.5643


 153.0254,
164.1519, 80.6009

 26.6844, 29.0639,
6.3288


 189.3363,
202.8341, 105.9099

 17.4717, 19.1291,
2.9740


230.9798,
247.1608, 136.0293

 10.6688, 11.7636,
1.0814

278.3213,
297.5162, 171.3777

 5.9102, 6.5829,
0.0000

331.7261,

 2.8307, 3.2027,

354.2848, 212.3737

0.0000

391.5596,
417.8510, 259.4358

■ 1.0649, 1.2384,
0.0000

■ 0.0000, 0.0928,
0.0000

■ 72.4346, 78.1273,
29.3515

■ 72.4346, 78.1273,
29.3515

■ 69.6813, 74.8012,
21.7122

■ 75.6469, 81.7101,
39.1843

■ 67.3477, 71.7066,
16.0860

■ 79.3427, 85.5510,
51.3624

■ 65.3968, 68.8312,
12.2717

■ 83.5512, 89.6654,
66.0294

■ 63.7817, 66.1555,
10.0239

■ 88.2975, 94.0638,
83.3164

■ 62.7452, 64.2706,
9.0984

■ 93.6050, 98.7560,
103.3447

95.0498, 99.9999,
108.9000

Harmonies

Analogous

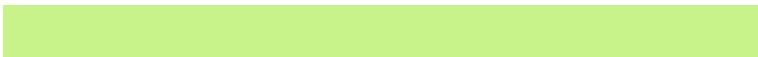
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5971, 78.1273, 33.2393



72.4346, 78.1273, 29.3515



60.3349, 78.1273, 36.1331

Triad

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



72.4346, 78.1273, 29.3515



54.2570, 78.1273, 135.2597



100.8914, 78.1273, 123.2144

Complementary

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



72.4346, 78.1273, 29.3515



36.5248, 32.4636, 98.9484

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.



90.1726, 78.1273, 165.4682



72.4346, 78.1273, 29.3515



63.1499, 78.1273, 173.8077

Square

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



72.4346, 78.1273, 29.3515



50.7001, 78.1273, 90.4411



76.1110, 78.1273, 186.2967



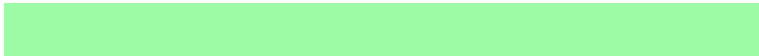
104.1720, 78.1273, 79.9108

Rectangle

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



72.4346, 78.1273, 29.3515



54.7124, 78.1273, 47.5681



76.1110, 78.1273, 186.2967



97.9782, 78.1273, 138.4028

Sweetspot

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



72.4365, 78.1310, 29.3531



86.5970, 92.5130, 77.0450



53.5855, 37.1385, 33.2134



18.3250, 19.6071, 15.7232



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.



72.4365, 78.1310, 29.3531



69.5672, 74.6566, 21.4158



67.8366, 87.6572, 31.4343



19.2322, 20.4325, 19.0746



32.8949, 33.8010, 4.7905



3.2779, 3.4412, 0.4915

Inverse Universe

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



36.5248, 32.4636, 98.9484



30.2543, 24.7227, 97.7851



39.1795, 28.2632, 97.9977



17.2993, 17.9702, 22.8068



10.1416, 5.1927, 49.9024



1.0602, 0.6512, 4.8831

Previews

White Background



This preview shows how the XYZ color 72.4346, 78.1273, 29.3515 looks on a white background.

Color Contrast Check

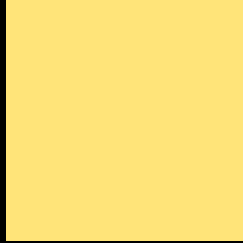
Large Text (above 18pt) WCAG AA × Fail

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 72.4346, 78.1273, 29.3515 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 72.4346, 78.1273, 29.3515

Background



This preview shows how black text looks on a background with the XYZ color 72.4346, 78.1273, 29.3515.



This preview shows how white text looks on a background with the XYZ color 72.4346, 78.1273,

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

72.4346, 78.1273, 29.3515

Protanopia

71.6154, 78.1145, 29.3922

Deuteranopia

76.8653, 78.1592, 58.0487



Tritanopia

81.2570, 78.2159, 86.4158

Trichromacy



Original Color

72.4346, 78.1273, 29.3515

Protanomaly

71.9785, 78.3017, 29.4092



Deuteranomaly

74.7761, 77.7548, 45.7174



Tritanomaly

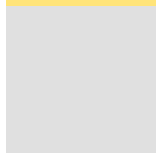
77.0316, 77.7969, 60.2465

Monochromacy



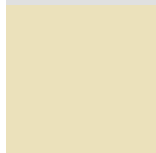
Original Color

72.4346, 78.1273, 29.3515



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

70.1558, 75.1005, 57.8119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4346, 78.1273, 29.3515 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, 228, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 121)  
}
```

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, 228, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 121) }
```

Border

The CSS property to change the border of an element to XYZ 72.4346, 78.1273, 29.3515 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, 228, 121) }
```


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

```
.border{ border-color:rgb(255, 228, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4346, 78.1273, 29.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 121) }
```

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

```
.background{ background-color: rgb(255,  
228, 121) }
```

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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