

Converting Colors

XYZ(86.3686, 86.3278, 31.2436)

Have a look what the booklet for
XYZ(86.3686, 86.3278, 31.2436)
contains.

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Color

**XYZ(73.4540, 79.8671,
30.6132)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE77C
RGB	255, 231, 124
RGB Percent	100%, 91%, 49%
CMY	0.0000, 0.0941, 0.5137
CMYK	0.00, 0.09, 0.51, 0.00
HSL	49°, 100%, 74%
HSV	49°, 51%, 100%
XYZ	73.4540, 79.8671, 30.6132
YIQ	225.9780, 48.6510, -28.1890

Conversions

Conversions Part 2

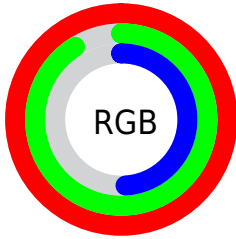
Format	Color
RYB	153, 255, 124
Decimal	16770940
CIELab	91.63, -5.06, 54.54
CIELCh	92, 54.772, 95.301
Yxy	79.8671, 0.3993, 0.4342
Android (android.graphics.Color)	4294961020 (0xFFFFE77C)
YUV	225.9780, -50.2752, 25.4523
Hunter-Lab	89.3684, -9.6813, 42.2480

Details

The XYZ color **73.4540, 79.8671, 30.6132** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.9518, 32.6837, 98.9684**, and the grayscale version is **72.6021, 76.3830, 83.1811**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **39.4276, 43.2414, 12.2296** is the 20% darker color. If you saturate the color by 10%, you get **70.7562, 76.7271, 22.7607**, and if you desaturate by 10%, it is **76.6075, 83.2511, 40.6762**.

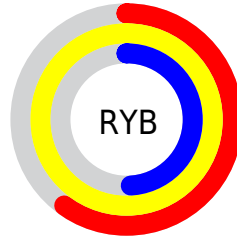
Distribution



Red (100%)

Green (91%)

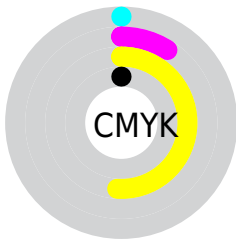
Blue (49%)



Red (60%)

Yellow (100%)

Blue (49%)

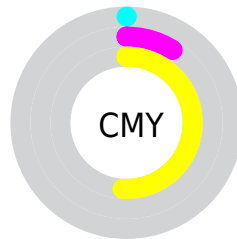


Cyan (0%)

Magenta (9%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.4540, 79.8671, 30.6132 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 73.4540, 79.8671, 30.6132 by changing the saturation by 10% instead.


 73.4540, 79.8671,
30.6132


 73.4540, 79.8671,
30.6132


461.6663,
494.4848, 319.0482


 54.6370, 59.6090,
20.0485


 123.1212,
133.1789, 61.7030

 39.3438, 43.1036,
12.2459


 154.7020,
167.0013, 83.0652

 27.2092, 29.9664,
6.7868


 191.2682,
206.1140, 108.8636

 17.8678, 19.8131,
3.2527

233.1850,
250.9013, 139.5168

 10.9543, 12.2592,
1.2251

280.8179,
301.7477, 175.4433

 6.1031, 6.9205,
0.0000

334.5322,

 2.9492, 3.4124,

359.0375, 217.0617

0.0000

394.6932,
423.1550, 264.7905

■ 1.1269, 1.3506,
0.0000

■ 0.0475, 0.1799,
0.0000

■ 73.4540, 79.8671,
30.6132

■ 73.4540, 79.8671,
30.6132

■ 70.7562, 76.7271,
22.7607

■ 76.6075, 83.2511,
40.6762

■ 68.4751, 73.8062,
16.9409

■ 80.2405, 86.8803,
53.0993

■ 66.5748, 71.0926,
12.9562

■ 84.3819, 90.7694,
68.0250

■ 65.0095, 68.5674,
10.5677

■ 89.0566, 94.9289,
85.5828

■ 63.8677, 66.5156,
9.4726

94.2877, 99.3684,
105.8933

95.0498, 99.9999,
108.9000

Harmonies

Analogous

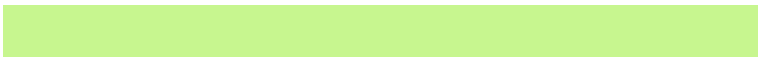
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7099, 79.8671, 34.0847



73.4540, 79.8671, 30.6132



61.4092, 79.8671, 38.0390

Triad

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



73.4540, 79.8671, 30.6132



56.0137, 79.8671, 139.4837



103.0538, 79.8671, 123.2702

Complementary

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



73.4540, 79.8671, 30.6132



36.9518, 32.6837, 98.9684

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.



92.5336, 79.8671, 166.1635



73.4540, 79.8671, 30.6132



65.2213, 79.8671, 177.3616

Square

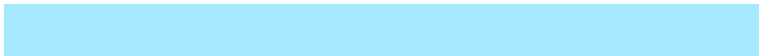
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.4540, 79.8671, 30.6132



52.1622, 79.8671, 94.2723



78.4228, 79.8671, 188.3822



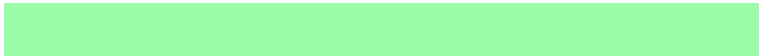
105.9555, 79.8671, 80.0392

Rectangle

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



73.4540, 79.8671, 30.6132



55.8814, 79.8671, 50.0784



78.4228, 79.8671, 188.3822



100.2330, 79.8671, 138.5767

Sweetspot

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



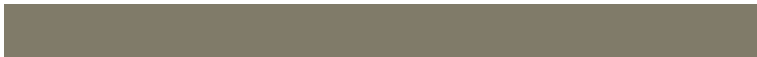
73.4559, 79.8708, 30.6148



87.2975, 93.3880, 78.8999



53.7946, 37.8147, 32.4885



18.4736, 19.8008, 16.0919



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.



73.4559, 79.8708, 30.6148



70.6011, 76.5374, 22.3369



66.9890, 87.1986, 32.3701



19.2617, 20.4916, 19.0844



33.4745, 34.9601, 4.9837



3.3294, 3.5442, 0.5086

Inverse Universe

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



36.9518, 32.6837, 98.9684



30.4117, 24.6410, 97.7611



40.8761, 29.6875, 98.1832



17.2721, 17.9157, 22.7977



10.0334, 4.9763, 49.8663



1.0459, 0.6225, 4.8783

Previews

White Background



This preview shows how the XYZ color 73.4540, 79.8671, 30.6132 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 73.4540, 79.8671, 30.6132 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 73.4540, 79.8671, 30.6132

Background



This preview shows how black text looks on a background with the XYZ color 73.4540, 79.8671, 30.6132.



This preview shows how white text looks on a background with the XYZ color 73.4540, 79.8671,

30.6132.

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

73.4540, 79.8671, 30.6132

Protanopia

73.0871, 79.6779, 30.5961

Deuteranopia

78.1740, 79.5478, 62.2730



Tritanopia

82.4790, 79.9759, 88.9317

Trichromacy



Original Color

73.4540, 79.8671, 30.6132

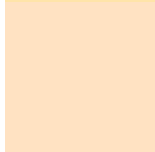
Protanomaly

73.0871, 79.6779, 30.5961



Deuteranomaly

76.1448, 79.6114, 48.8894



Tritanomaly

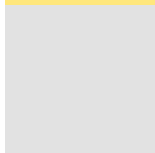
78.1740, 79.5478, 62.2730

Monochromacy



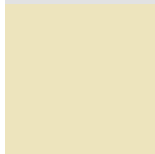
Original Color

73.4540, 79.8671, 30.6132



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

71.8538, 77.1655, 59.2514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.4540, 79.8671, 30.6132 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, 231, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 124)  
}
```

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, 231, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 124) }
```

Border

The CSS property to change the border of an element to XYZ 73.4540, 79.8671, 30.6132 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, 231, 124) }
```


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

```
.border{ border-color:rgb(255, 231, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 73.4540, 79.8671, 30.6132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 124) }
```

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

```
.background{ background-color: rgb(255,  
231, 124) }
```

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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