

Converting Colors

XYZ(83.2844, 83.7418, 35.2166)

Have a look what the booklet for
XYZ(83.2844, 83.7418, 35.2166)
contains.

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Color

**XYZ(73.4273, 78.5244,
34.5792)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE488
RGB	255, 228, 136
RGB Percent	100%, 89%, 53%
CMY	0.0000, 0.1059, 0.4667
CMYK	0.00, 0.11, 0.47, 0.00
HSL	46°, 100%, 77%
HSV	46°, 47%, 100%
XYZ	73.4273, 78.5244, 34.5792
YIQ	225.5850, 45.6240, -22.8880

Conversions

Conversions Part 2

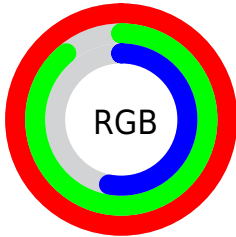
Format	Color
R _Y B	171, 255, 136
Decimal	16770184
CIE Lab	91.02, -2.50, 48.06
CIE LCh	91, 48.127, 92.980
Yxy	78.5244, 0.3936, 0.4210
Android (android.graphics.Color)	4294960264 (0xFFFE488)
YUV	225.5850, -44.1654, 25.7970
Hunter-Lab	88.6140, -7.1659, 38.8935

Details

The XYZ color **73.4273, 78.5244, 34.5792** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.3001, 38.6472, 99.8903**, and the grayscale version is **72.2764, 76.0404, 82.8080**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **39.3088, 42.2630, 14.4733** is the 20% darker color. If you saturate the color by 10%, you get **70.2622, 74.7575, 25.6222**, and if you desaturate by 10%, it is **77.0806, 82.5776, 45.8275**.

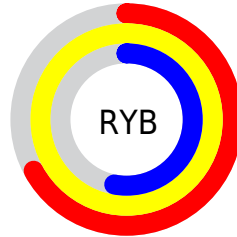
Distribution



Red (100%)

Green (89%)

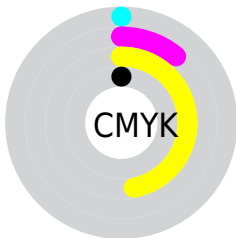
Blue (53%)



Red (67%)

Yellow (100%)

Blue (53%)

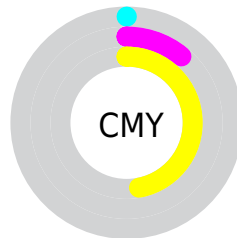


Cyan (0%)

Magenta (11%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.4273, 78.5244, 34.5792 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 73.4273, 78.5244, 34.5792 by changing the saturation by 10% instead.


 73.4273, 78.5244,
34.5792


 73.4273, 78.5244,
34.5792


461.5753,
489.9459, 337.5547


 54.6151, 58.5049,
23.0580


 123.0835,
131.2891, 67.9775

 39.3262, 42.2147,
14.4306


 154.6582,
164.8030, 90.6917

 27.1955, 29.2694,
8.2786


 191.2177,
203.5839, 117.9739

 17.8574, 19.2847,
4.1834

233.1274,
248.0161, 150.2427

 10.9467, 11.8762,
1.7265

280.7526,
298.4840, 187.9166

 6.0981, 6.6594,
0.3788

334.4588,

 2.9460, 3.2500,

355.3720, 231.4143

0.0000

394.6113,
419.0645, 281.1541

■ 1.1253, 1.2636,
0.0000

■ 0.0461, 0.1128,
0.0000

■ 73.4273, 78.5244,
34.5792

■ 73.4273, 78.5244,
34.5792

■ 70.2622, 74.7575,
25.6222

■ 77.0806, 82.5776,
45.8275

■ 67.5479, 71.2524,
18.7878

■ 81.2450, 86.9183,
59.5099

■ 65.2507, 67.9976,
13.8921

■ 85.9483, 91.5614,
75.7633

■ 63.3287, 64.9756,
10.7173

■ 91.2150, 96.5175,
94.7129

■ 61.7294, 62.1646,
8.9896

95.0498, 99.9999,
108.9000

■ 61.2416, 61.2635,
8.5973

Harmonies

Analogous

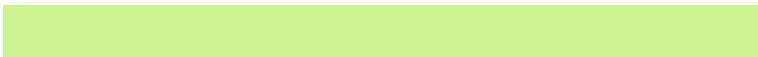
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7590, 78.5244, 38.6754



73.4273, 78.5244, 34.5792



62.6274, 78.5244, 40.7612

Triad

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



73.4273, 78.5244, 34.5792



56.7037, 78.5244, 127.3335



97.4400, 78.5244, 119.6382

Complementary

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



73.4273, 78.5244, 34.5792



41.3001, 38.6472, 99.8903

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.



88.0872, 78.5244, 154.7978



73.4273, 78.5244, 34.5792



64.5173, 78.5244, 160.0218

Square

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



73.4273, 78.5244, 34.5792



53.6523, 78.5244, 89.0249



75.8560, 78.5244, 171.2270



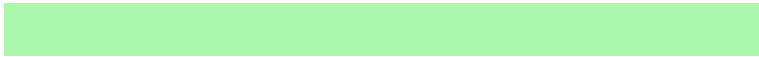
100.4793, 78.5244, 82.0688

Rectangle

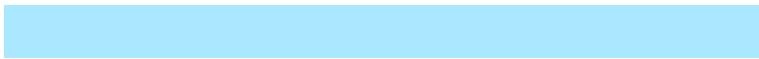
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.4273, 78.5244, 34.5792



57.4940, 78.5244, 51.2125



75.8560, 78.5244, 171.2270



94.8837, 78.5244, 132.4394

Sweetspot

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



73.4292, 78.5281, 34.5808



87.2965, 92.8519, 80.5463



56.7243, 41.5409, 40.0410



18.4509, 19.6502, 16.4084



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.



73.4292, 78.5281, 34.5808



70.4588, 75.0003, 26.1506



70.7177, 89.0278, 36.7504



19.1913, 20.3507, 19.0609



32.1179, 32.2471, 4.5315



3.2086, 3.3025, 0.4683

Inverse Universe

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



41.3001, 38.6472, 99.8903



34.8208, 30.8043, 98.7183



42.9466, 33.1248, 98.7376



17.3372, 18.0460, 22.8194



10.3094, 5.5283, 49.9583



1.0816, 0.6939, 4.8902

Previews

White Background



This preview shows how the XYZ color 73.4273, 78.5244, 34.5792 looks on a white background.

Color Contrast Check

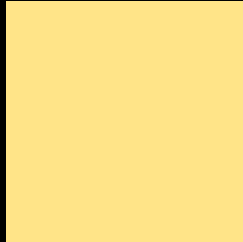
Large Text (above 18pt) WCAG AA × Fail

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 73.4273, 78.5244, 34.5792 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 73.4273, 78.5244, 34.5792

Background



This preview shows how black text looks on a background with the XYZ color 73.4273, 78.5244, 34.5792.



This preview shows how white text looks on a background with the XYZ color 73.4273, 78.5244,

34.5792.

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

73.4273, 78.5244, 34.5792

Protanopia

72.3183, 78.3540, 34.9792

Deuteranopia

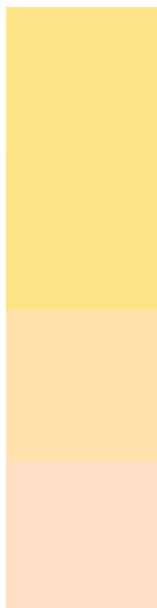
77.2996, 78.3329, 60.3358



Tritanopia

81.3987, 78.2726, 87.1619

Trichromacy



Original Color

73.4273, 78.5244, 34.5792

Protanomaly

72.6796, 78.5402, 34.9961

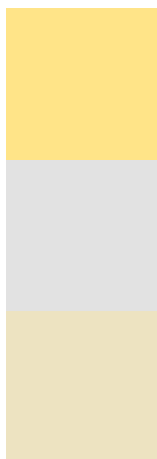
Deuteranomaly

75.5159, 78.0507, 49.6133

Tritanomaly

77.7057, 78.0666, 63.7961

Monochromacy



Original Color

73.4273, 78.5244, 34.5792

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.0198, 76.7930, 61.4787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.4273, 78.5244, 34.5792 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 136) }
```

Border

The CSS property to change the border of an element to XYZ 73.4273, 78.5244, 34.5792 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, 136) }
```


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

```
.border{ border-color:rgb(255, 228, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 136); box-shadow:4px 4px 4px 4px rgb(255, 228, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 73.4273, 78.5244, 34.5792 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, 136) }
```

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

```
.background{ background-color: rgb(255,  
228, 136) }
```

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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