

Converting Colors

XYZ(78.5752, 84.8106, 52.6520)

Have a look what the booklet for
XYZ(78.5752, 84.8106, 52.6520)
contains.

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Color

**XYZ(78.8204, 85.1269,
52.8343)**

Conversions

Conversions Part 1

Format	Color
Hex	FDEEAF
RGB	253, 238, 175
RGB Percent	99%, 93%, 69%
CMY	0.0078, 0.0666, 0.3137
CMYK	0.00, 0.06, 0.31, 0.01
HSL	48°, 95%, 84%
HSV	48°, 31%, 99%
XYZ	78.8204, 85.1269, 52.8343
YIQ	235.3030, 29.1630, -16.4130

Conversions

Conversions Part 2

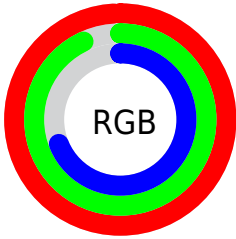
Format	Color
RYB	194, 253, 175
Decimal	16641711
CIELab	93.94, -4.12, 32.39
CIELCh	94, 32.646, 97.243
Yxy	85.1269, 0.3636, 0.3927
Android (android.graphics.Color)	4294831791 (0xFFFDEEAF)
YUV	235.3030, -29.7294, 15.5203
Hunter-Lab	92.2642, -8.9717, 30.6331

Details

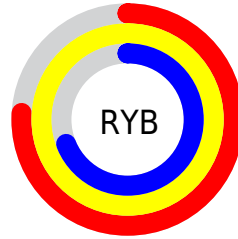
The XYZ color **78.8204, 85.1269, 52.8343** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.8219, 53.0312, 100.3279**, and the grayscale version is **79.4023, 83.5374, 90.9722**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **42.7465, 46.4631, 25.1277** is the 20% darker color. If you saturate the color by 10%, you get **75.1686, 81.4340, 40.4851**, and if you desaturate by 10%, it is **82.9804, 89.0903, 67.6516**.

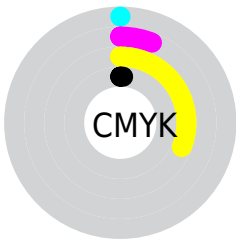
Distribution



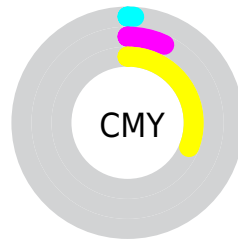
- Red (99%)
- Green (93%)
- Blue (69%)



- Red (76%)
- Yellow (99%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (31%)
- Black (1%)





- Cyan (1%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8204, 85.1269, 52.8343 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 78.8204, 85.1269, 52.8343 by changing the saturation by 10% instead.


 78.8204, 85.1269,
52.8343

 78.8204, 85.1269,
52.8343


479.7458,
512.0479, 414.6973

 59.0533, 63.9462,
37.2837


 130.6653,
140.5505, 95.7996

 42.9025, 46.6071,
25.1297


163.4737,
175.5622, 124.0513

 30.0028, 32.7252,
15.9538


201.3599,
215.9530, 157.3739

 19.9888, 21.9160,
9.3375

244.6894,
262.1073, 196.1857

 12.4951, 13.7952,
4.8621

293.8273,
314.4096, 240.9055

 7.1564, 7.9784,
2.1093

349.1391,

 3.6073, 4.0811,

373.2442, 291.9516

0.6213

410.9902,
438.9955, 349.7427

■ 1.4825, 1.7190,
0.0000

■ 0.3139, 0.4359,
0.0000

■ 78.8204, 85.1269,
52.8343

■ 78.8204, 85.1269,
52.8343

■ 75.1686, 81.4340,
40.4851

■ 82.9804, 89.0903,
67.6516

■ 71.9920, 77.9889,
30.4614

■ 87.6665, 93.3228,
85.0583

■ 69.2641, 74.7835,
22.6141

■ 92.9034, 97.8378,
105.1741

■ 66.9524, 71.8044,
16.7745

■ 94.3180, 99.6227,
108.8657

■ 65.0200, 69.0363,
12.7494

■ 63.4225, 66.4609,
10.3068

■ 62.1880, 64.2425,
9.1224

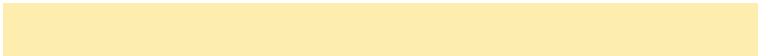
Harmonies

Analogous

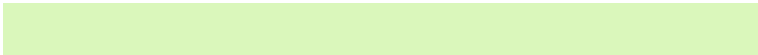
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5530, 85.1269, 55.1681



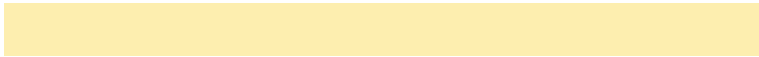
78.8204, 85.1269, 52.8343



71.2062, 85.1269, 59.5519

Triad

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



78.8204, 85.1269, 52.8343



68.3151, 85.1269, 124.7989



97.3316, 85.1269, 112.4756

Complementary

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



78.8204, 85.1269, 52.8343



53.8219, 53.0312, 100.3279

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.



91.4588, 85.1269, 136.2801



78.8204, 85.1269, 52.8343



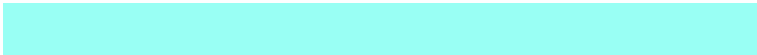
74.6129, 85.1269, 144.2378

Square

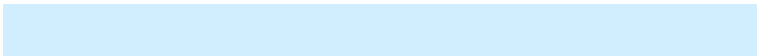
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8204, 85.1269, 52.8343



65.4295, 85.1269, 98.8592



83.0374, 85.1269, 148.7777



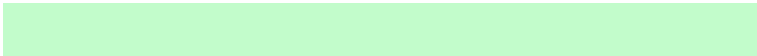
98.6590, 85.1269, 86.7805

Rectangle

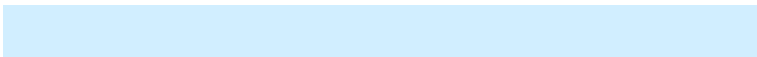
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8204, 85.1269, 52.8343



67.6465, 85.1269, 69.1157



83.0374, 85.1269, 148.7777



95.8042, 85.1269, 121.0913

Sweetspot

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



78.8226, 85.1308, 52.8361



90.1813, 95.8265, 90.1245



65.1986, 55.2876, 56.2960



19.1433, 20.3711, 18.6864



0.0000, 0.0000, 0.0000



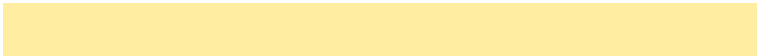
20.3446, 21.4041, 23.3091

Same Dimension

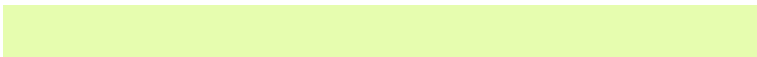
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8226, 85.1308, 52.8361



77.8867, 84.3100, 45.7250



75.3685, 90.1029, 53.9778



19.2470, 20.4622, 19.0795



33.1848, 34.3807, 4.8871



3.3037, 3.4928, 0.5001

Inverse Universe

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



53.8219, 53.0312, 100.3279



48.7549, 46.9156, 101.0937



56.4548, 49.8131, 99.5680



17.2856, 17.9427, 22.8022



10.0858, 5.0811, 49.8838



1.0529, 0.6365, 4.8806

Previews

White Background



This preview shows how the XYZ color 78.8204, 85.1269, 52.8343 looks on a white background.

Color Contrast Check

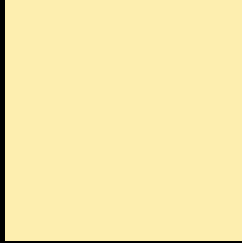
Large Text (above 18pt) WCAG AA × Fail

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 78.8204, 85.1269, 52.8343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

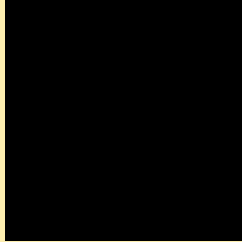
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8204, 85.1269, 52.8343

Background



This preview shows how black text looks on a background with the XYZ color 78.8204, 85.1269, 52.8343.

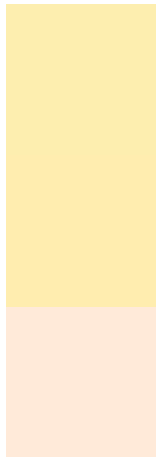


This preview shows how white text looks on a background with the XYZ color 78.8204, 85.1269,

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

78.8204, 85.1269, 52.8343

Protanopia

79.2621, 84.9235, 52.7718

Deuteranopia

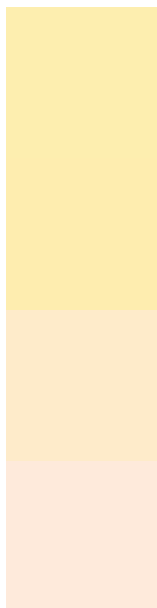
83.1872, 85.1154, 77.6901



Tritanopia

86.1450, 84.9435, 97.4433

Trichromacy



Original Color

78.8204, 85.1269, 52.8343

Protanomaly

78.8951, 84.7343, 52.7546

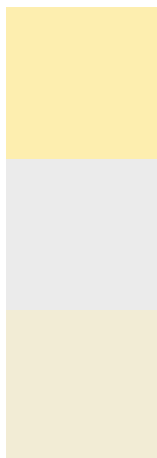
Deuteranomaly

81.2421, 84.7518, 67.9539

Tritanomaly

83.0821, 85.0309, 79.0516

Monochromacy



Original Color

78.8204, 85.1269, 52.8343

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6236, 83.6722, 74.9572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8204, 85.1269, 52.8343 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(253, 238, 175)` looks like.

```
.text, #text, p{  
    color:rgb(253, 238, 175)  
}
```

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(253, 238, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 238, 175) }
```

Border

The CSS property to change the border of an element to XYZ 78.8204, 85.1269, 52.8343 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(253, 238, 175) }
```


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

```
.border{ border-color:rgb(253, 238, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 238, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 238, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 238, 175);  
box-shadow:4px 4px 4px 4px rgb(253, 238,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8204, 85.1269, 52.8343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 238, 175) }
```

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

```
.background{ background-color: rgb(253,  
238, 175) }
```

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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