

Converting Colors

XYZ(82.8933, 100.0000,
50.2884)

Have a look what the booklet for
XYZ(82.8933, 100.0000, 50.2884)
contains.

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Color

**XYZ(79.4230, 93.2550,
48.9359)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FFA4
RGB	243, 255, 164
RGB Percent	95%, 100%, 64%
CMY	0.0471, 0.0000, 0.3569
CMYK	0.05, 0.00, 0.36, 0.00
HSL	68°, 100%, 82%
HSV	68°, 36%, 100%
XYZ	79.4230, 93.2550, 48.9359
YIQ	241.0380, 22.0590, -30.8450

Conversions

Conversions Part 2

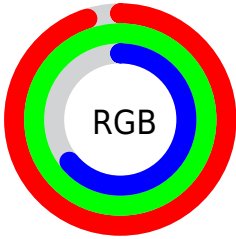
Format	Color
RYB	164, 255, 176
Decimal	15990692
CIELab	97.33, -17.55, 42.20
CIElCh	97, 45.704, 112.579
Yxy	93.2550, 0.3584, 0.4208
Android (android.graphics.Color)	4294180772 (0xFFFF3FFA4)
YUV	241.0380, -37.9797, 1.7207
Hunter-Lab	96.5686, -22.1875, 37.5530

Details

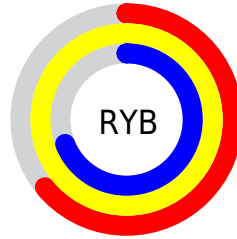
The XYZ color **79.4230, 93.2550, 48.9359** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.2310, 43.0022, 100.3133**, and the grayscale version is **83.9156, 88.2857, 96.1432**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **43.3130, 51.9750, 22.7883** is the 20% darker color. If you saturate the color by 10%, you get **76.1962, 91.8315, 37.9453**, and if you desaturate by 10%, it is **83.1334, 94.8745, 62.3617**.

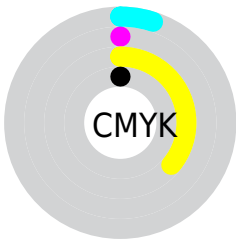
Distribution



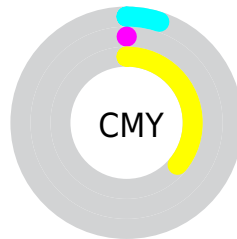
- Red (95%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.4230, 93.2550, 48.9359 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 79.4230, 93.2550, 48.9359 by changing the saturation by 10% instead.


 79.4230, 93.2550,
48.9359


 79.4230, 93.2550,
48.9359


481.7524,
538.5633, 399.1051

 59.5505, 70.6835,
34.2034


 131.5090,
151.8516, 89.9762

 43.3045, 52.0839,
22.7713


 164.4532,
188.6455, 117.1212

 30.3197, 37.0720,
14.2210

202.4853,
230.9489, 149.2406

 20.2306, 25.2632,
8.1340

245.9707,
279.1463, 186.7532

 12.6720, 16.2733,
4.0918

295.2748,
333.6220, 230.0774

 7.2785, 9.7177,
1.6759

350.7628,

 3.6848, 5.2122,

394.7605, 279.6317

0.3441

412.8002,
462.9462, 335.8348

■ 1.5254, 2.3723,
0.0000

■ 0.3430, 0.8116,
0.0000

■ 79.4230, 93.2550,
48.9359

■ 79.4230, 93.2550,
48.9359

■ 76.1962, 91.8315,
37.9453

■ 83.1334, 94.8745,
62.3617

■ 73.4242, 90.5923,
29.2398

■ 87.3521, 96.6998,
78.3527

■ 71.0765, 89.5252,
22.6588

■ 92.1031, 98.7404,
97.0346

■ 69.1183, 88.6164,
18.0196

95.0500, 100.0000,
108.9000

■ 67.5089, 87.8495,
15.1081

■ 66.1977, 87.2042,
13.6598

■ 65.6926, 86.9508,
13.3208

Harmonies

Analogous

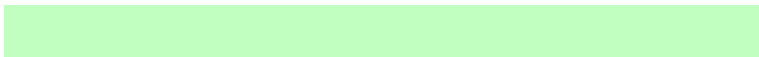
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8884, 93.2550, 46.0063



79.4230, 93.2550, 48.9359



70.3097, 93.2550, 64.1049

Triad

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



79.4230, 93.2550, 48.9359



74.3615, 93.2550, 169.2868



115.6656, 93.2550, 111.0225

Complementary

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



79.4230, 93.2550, 48.9359



49.2310, 43.0022, 100.3133

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.



109.8986, 93.2550, 151.2805



79.4230, 93.2550, 48.9359



85.4614, 93.2550, 189.8458

Square

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



79.4230, 93.2550, 48.9359



67.5920, 93.2550, 131.4257



98.5354, 93.2550, 182.5587



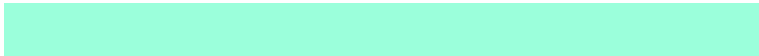
113.6491, 93.2550, 76.5656

Rectangle

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



79.4230, 93.2550, 48.9359



66.9549, 93.2550, 81.6661



98.5354, 93.2550, 182.5587



114.5552, 93.2550, 124.3993

Sweetspot

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



79.4233, 93.2552, 48.9372



89.5104, 97.6285, 86.7633



63.1970, 54.4523, 42.3027



19.0226, 20.8379, 18.0368



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

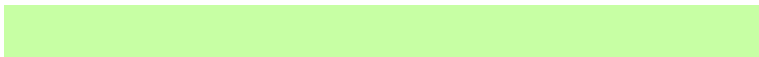
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4233, 93.2552, 48.9372



77.0168, 92.1952, 40.6660



65.9838, 86.3268, 48.3082



19.3117, 20.9621, 19.1726



34.4176, 45.4810, 6.9647



3.4138, 4.4606, 0.6811

Inverse Universe

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



49.2310, 43.0022, 100.3133



42.6881, 35.0319, 99.1197



60.8768, 49.0059, 100.8583



17.2256, 17.4925, 22.7185



9.8379, 3.9821, 49.6847



1.0235, 0.4216, 4.8407

Previews

White Background



This preview shows how the XYZ color 79.4230, 93.2550, 48.9359 looks on a white background.

Color Contrast Check

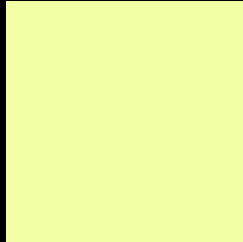
Large Text (above 18pt) WCAG AA × Fail

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 79.4230, 93.2550, 48.9359 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

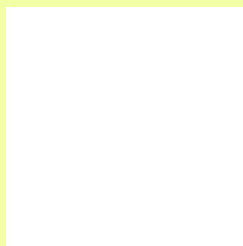
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.4230, 93.2550, 48.9359

Background



This preview shows how black text looks on a background with the XYZ color 79.4230, 93.2550, 48.9359.

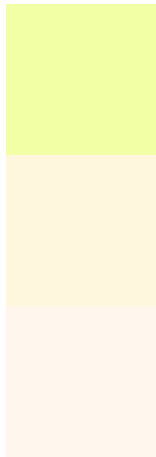


This preview shows how white text looks on a background with the XYZ color 79.4230, 93.2550,

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

79.4230, 93.2550, 48.9359

Protanopia

87.5519, 93.0020, 81.7433

Deuteranopia

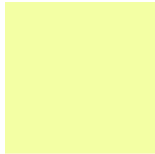
89.4818, 93.2860, 93.4106



Tritanopia

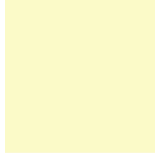
90.4861, 93.0340, 107.7960

Trichromacy



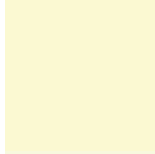
Original Color

79.4230, 93.2550, 48.9359



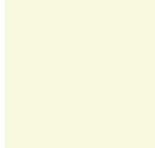
Protanomaly

84.3946, 93.0506, 68.1561



Deuteranomaly

85.2922, 92.9137, 74.4115



Tritanomaly

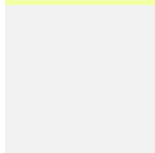
85.7719, 92.9817, 82.5339

Monochromacy



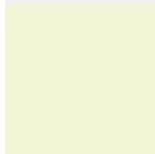
Original Color

79.4230, 93.2550, 48.9359



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.5840, 89.5929, 75.9440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.4230, 93.2550, 48.9359 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(243, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 164)  
}
```

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(243, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 79.4230, 93.2550, 48.9359 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(243, 255, 164) }
```


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

```
.border{ border-color:rgb(243, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 79.4230, 93.2550, 48.9359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 164) }
```

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

```
.background{ background-color: rgb(243,  
255, 164) }
```

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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