

Converting Colors

XYZ(107.8974, 100.0000,
51.7033)

Have a look what the booklet for
XYZ(107.8974, 100.0000, 51.7033)
contains.

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Color

**XYZ(79.0702, 85.3114,
50.3295)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEAA
RGB	255, 238, 170
RGB Percent	100%, 93%, 67%
CMY	0.0000, 0.0666, 0.3333
CMYK	0.00, 0.07, 0.33, 0.00
HSL	48°, 100%, 83%
HSV	48°, 33%, 100%
XYZ	79.0702, 85.3114, 50.3295
YIQ	235.3310, 31.9600, -17.5440

Conversions

Conversions Part 2

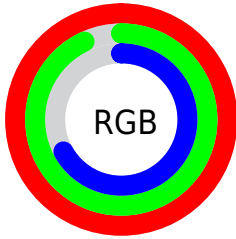
Format	Color
RYB	191, 255, 170
Decimal	16772778
CIELab	94.02, -3.96, 35.05
CIELCh	94, 35.270, 96.451
Yxy	85.3114, 0.3683, 0.3973
Android (android.graphics.Color)	4294962858 (0xFFFFEAAA)
YUV	235.3310, -32.2082, 17.2497
Hunter-Lab	92.3642, -8.8288, 32.3476

Details

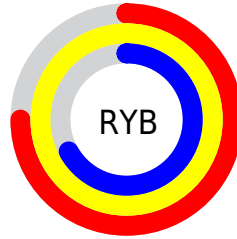
The XYZ color **79.0702, 85.3114, 50.3295** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.3974, 51.3050, 101.7489**, and the grayscale version is **79.4405, 83.5776, 91.0160**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **42.9648, 46.6106, 23.5619** is the 20% darker color. If you saturate the color by 10%, you get **75.4255, 81.5151, 38.3459**, and if you desaturate by 10%, it is **83.2292, 89.3868, 64.7947**.

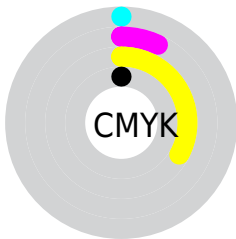
Distribution



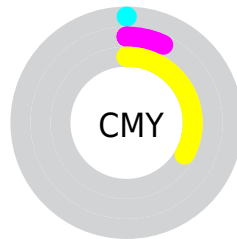
- Red (100%)
- Green (93%)
- Blue (67%)



- Red (75%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (7%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0702, 85.3114, 50.3295 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 79.0702, 85.3114, 50.3295 by changing the saturation by 10% instead.


 79.0702, 85.3114,
50.3295

 79.0702, 85.3114,
50.3295


480.5782,
512.6579, 404.7250

 59.2594, 64.0987,
35.3023


 131.0151,
140.8082, 92.0642

 43.0691, 46.7306,
23.6104


163.8798,
175.8610, 119.6088

 30.1341, 32.8228,
14.8353


201.8266,
216.2961, 152.1629

 20.0890, 21.9907,
8.5586

245.2208,
262.4977, 190.1450

 12.5684, 13.8501,
4.3615

294.4276,
314.8503, 233.9737

 7.2069, 8.0165,
1.8257

349.8126,

 3.6393, 4.1055,

373.7383, 284.0676

0.4448

411.7410,
439.5460, 340.8452

■ 1.5002, 1.7327,
0.0000

■ 0.3260, 0.4447,
0.0000

■ 79.0702, 85.3114,
50.3295

■ 79.0702, 85.3114,
50.3295

■ 75.4255, 81.5151,
38.3459

■ 83.2292, 89.3868,
64.7947

■ 72.2612, 77.9745,
28.6955

■ 87.9212, 93.7402,
81.8679

■ 69.5490, 74.6810,
21.2222

■ 93.1721, 98.3855,
101.6731

■ 67.2549, 71.6203,
15.7486

95.0500, 100.0000,
108.9000

■ 65.3396, 68.7762,
12.0693

■ 63.7554, 66.1289,
9.9343

■ 62.8373, 64.4546,
9.1291

Harmonies

Analogous

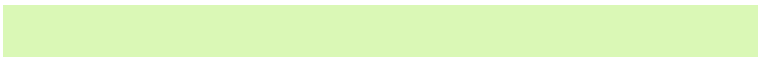
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5314, 85.3114, 53.0263



79.0702, 85.3114, 50.3295



70.8047, 85.3114, 57.1340

Triad

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



79.0702, 85.3114, 50.3295



67.3863, 85.3114, 127.2007



98.8280, 85.3114, 115.1677

Complementary

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



79.0702, 85.3114, 50.3295



52.3974, 51.3050, 101.7489

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.



92.3171, 85.3114, 141.1123



79.0702, 85.3114, 50.3295



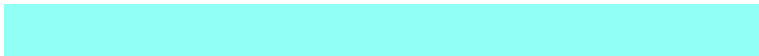
74.0700, 85.3114, 148.9458

Square

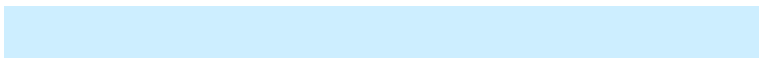
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0702, 85.3114, 50.3295



64.4040, 85.3114, 98.8335



83.1356, 85.3114, 154.4753



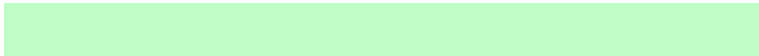
100.4251, 85.3114, 87.1890

Rectangle

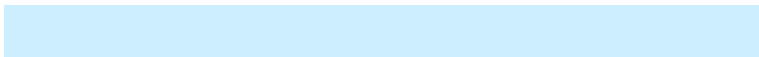
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0702, 85.3114, 50.3295



66.9229, 85.3114, 67.0956



83.1356, 85.3114, 154.4753



97.1182, 85.3114, 124.5688

Sweetspot

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



79.0724, 85.3153, 50.3313



89.6079, 95.2554, 88.1586



64.5849, 53.5982, 53.9562



19.0259, 20.2509, 18.2937



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

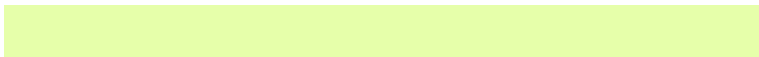
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0724, 85.3153, 50.3313



76.5859, 82.7521, 42.0732



75.4890, 91.1628, 51.6488



19.2346, 20.4374, 19.0754



32.9423, 33.8959, 4.8063



3.2822, 3.4497, 0.4929

Inverse Universe

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



52.3974, 51.3050, 101.7489



46.2058, 44.0302, 100.6711



55.0606, 47.6393, 100.9010



17.2970, 17.9657, 22.8060



10.1322, 5.1740, 49.8992



1.0590, 0.6487, 4.8827

Previews

White Background



This preview shows how the XYZ color 79.0702, 85.3114, 50.3295 looks on a white background.

Color Contrast Check

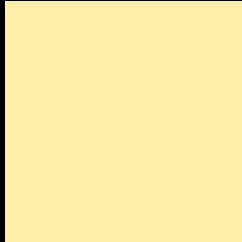
Large Text (above 18pt) WCAG AA × Fail

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 79.0702, 85.3114, 50.3295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

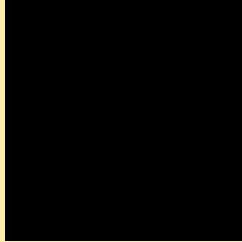
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.0702, 85.3114, 50.3295

Background



This preview shows how black text looks on a background with the XYZ color 79.0702, 85.3114, 50.3295.



This preview shows how white text looks on a background with the XYZ color 79.0702, 85.3114,

50.3295.

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

79.0702, 85.3114, 50.3295

Protanopia

79.5524, 85.5042, 52.8685

Deuteranopia

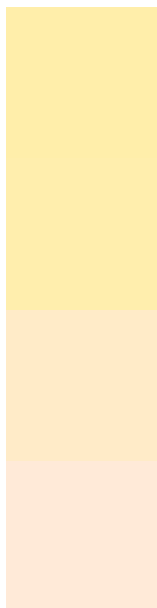
83.1872, 85.1154, 77.6901



Tritanopia

86.2743, 85.4443, 96.7393

Trichromacy



Original Color

79.0702, 85.3114, 50.3295

Protanomaly

79.3574, 85.4262, 51.8415

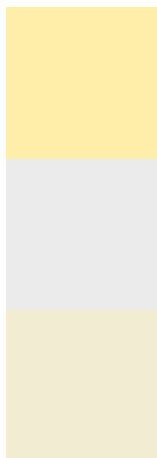
Deuteranomaly

81.3737, 84.8468, 66.7318

Tritanomaly

83.0575, 85.0635, 77.0070

Monochromacy



Original Color

79.0702, 85.3114, 50.3295

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3713, 83.5713, 73.6283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.0702, 85.3114, 50.3295 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, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 170)  
}
```

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, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 170) }
```

Border

The CSS property to change the border of an element to XYZ 79.0702, 85.3114, 50.3295 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, 238, 170) }
```


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

```
.border{ border-color:rgb(255, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 79.0702, 85.3114, 50.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 170) }
```

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

```
.background{ background-color: rgb(255,  
238, 170) }
```

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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