

Converting Colors

XYZ(104.8155, 100.0001,
50.3130)

Have a look what the booklet for
XYZ(104.8155, 100.0001, 50.3130)
contains.

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Color

**XYZ(79.6703, 86.9606,
49.1452)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF1A7
RGB	255, 241, 167
RGB Percent	100%, 95%, 65%
CMY	0.0000, 0.0549, 0.3451
CMYK	0.00, 0.05, 0.35, 0.00
HSL	50°, 100%, 83%
HSV	50°, 35%, 100%
XYZ	79.6703, 86.9606, 49.1452
YIQ	236.7500, 32.0980, -20.0460

Conversions

Conversions Part 2

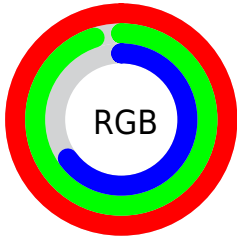
Format	Color
R _Y B	184, 255, 167
Decimal	16773543
CIE Lab	94.72, -5.81, 37.48
CIE LCh	95, 37.931, 98.814
Yxy	86.9606, 0.3692, 0.4030
Android (android.graphics.Color)	4294963623 (0xFFFFF1A7)
YUV	236.7500, -34.3867, 16.0053
Hunter-Lab	93.2527, -10.6909, 34.0304

Details

The XYZ color **79.6703, 86.9606, 49.1452** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.5098, 48.4818, 101.3034**, and the grayscale version is **80.5446, 84.7392, 92.2810**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **43.4122, 47.7831, 22.8546** is the 20% darker color. If you saturate the color by 10%, you get **76.3553, 83.7384, 37.5345**, and if you desaturate by 10%, it is **83.4812, 90.4301, 63.2163**.

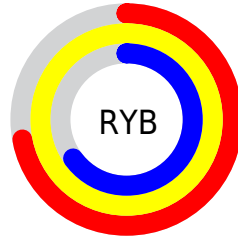
Distribution



Red (100%)

Green (95%)

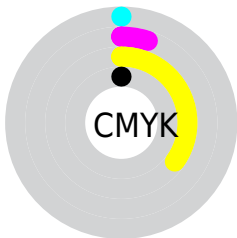
Blue (65%)



Red (72%)

Yellow (100%)

Blue (65%)

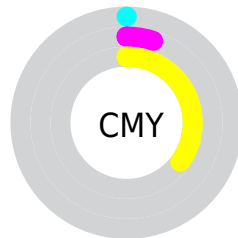


Cyan (0%)

Magenta (5%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6703, 86.9606, 49.1452 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 79.6703, 86.9606, 49.1452 by changing the saturation by 10% instead.


 79.6703, 86.9606,
49.1452

 79.6703, 86.9606,
49.1452


482.5745,
518.0934, 399.9525

 59.7546, 65.4626,
34.3683


 131.8551,
143.1092, 90.2903

 43.4696, 47.8363,
22.8970


 164.8548,
178.5286, 117.4955

 30.4498, 33.6973,
14.3129


202.9467,
219.3573, 149.6806

 20.3301, 22.6611,
8.1974

246.4960,
265.9796, 187.2641

 12.7448, 14.3435,
4.1319

295.8680,
318.7800, 230.6644

 7.3289, 8.3599,
1.6980

351.4282,

 3.7168, 4.3261,

378.1428, 280.3003

0.3594

413.5419,
444.4525, 336.5901

■ 1.5432, 1.8576,
0.0000

■ 0.3549, 0.5227,
0.0000

■ 79.6703, 86.9606,
49.1452

■ 79.6703, 86.9606,
49.1452

■ 76.3553, 83.7384,
37.5345

■ 83.4812, 90.4301,
63.2163

■ 73.5021, 80.7403,
28.2342

■ 87.8069, 94.1455,
79.8753

■ 71.0824, 77.9577,
21.0863

■ 92.6731, 98.1204,
99.2470

■ 69.0617, 75.3767,
15.9106

95.0500, 100.0000,
108.9000

■ 67.4002, 72.9811,
12.4978

■ 66.0488, 70.7508,
10.5907

■ 65.4005, 69.5811,
9.9835

Harmonies

Analogous

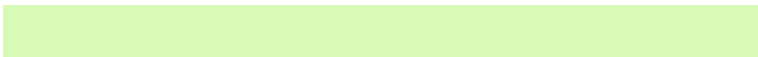
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9823, 86.9606, 51.2066



79.6703, 86.9606, 49.1452



70.9059, 86.9606, 57.1645

Triad

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



79.6703, 86.9606, 49.1452



68.2289, 86.9606, 134.6513



102.4245, 86.9606, 116.5828

Complementary

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



79.6703, 86.9606, 49.1452



50.5098, 48.4818, 101.3034

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.



95.6317, 86.9606, 145.8237



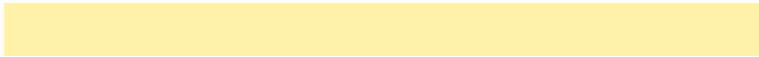
79.6703, 86.9606, 49.1452



75.7338, 86.9606, 157.6641

Square

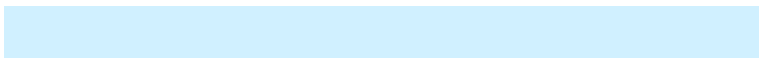
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6703, 86.9606, 49.1452



64.6680, 86.9606, 103.5997



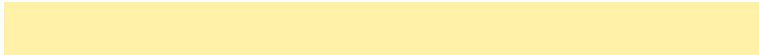
85.7101, 86.9606, 162.1283



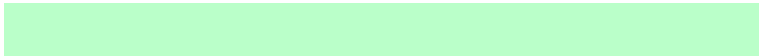
103.6980, 86.9606, 86.2976

Rectangle

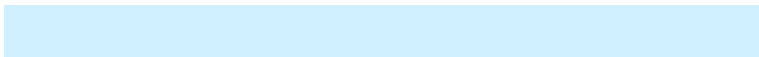
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6703, 86.9606, 49.1452



66.9141, 86.9606, 68.3630



85.7101, 86.9606, 162.1283



100.6855, 86.9606, 127.0218

Sweetspot

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



79.6725, 86.9646, 49.1470



89.9328, 95.9051, 88.2669



63.4684, 52.2620, 50.8190



19.1049, 20.4090, 18.3201



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

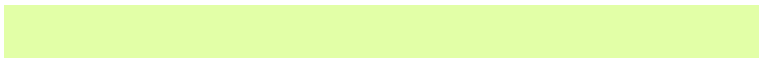
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6725, 86.9646, 49.1470



77.4650, 84.8439, 41.3382



73.9951, 90.4251, 50.1142



19.3008, 20.5697, 19.0974



34.2653, 36.5418, 5.2473



3.3993, 3.6840, 0.5319

Inverse Universe

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



50.5098, 48.4818, 101.3034



44.5432, 41.4119, 100.2534



54.7213, 46.6390, 100.7258



17.2362, 17.8441, 22.7858



9.9063, 4.7222, 49.8239



1.0283, 0.5874, 4.8725

Previews

White Background



This preview shows how the XYZ color 79.6703, 86.9606, 49.1452 looks on a white background.

Color Contrast Check

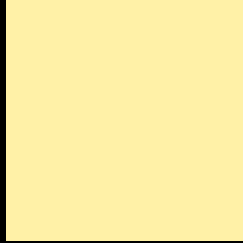
Large Text (above 18pt) WCAG AA × Fail

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 79.6703, 86.9606, 49.1452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

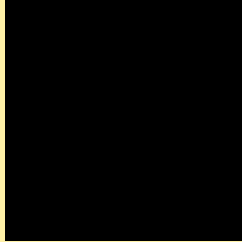
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.6703, 86.9606, 49.1452

Background



This preview shows how black text looks on a background with the XYZ color 79.6703, 86.9606, 49.1452.

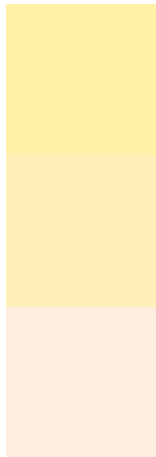


This preview shows how white text looks on a background with the XYZ color 79.6703, 86.9606,

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

79.6703, 86.9606, 49.1452

Protanopia

81.2630, 87.1253, 58.9882

Deuteranopia

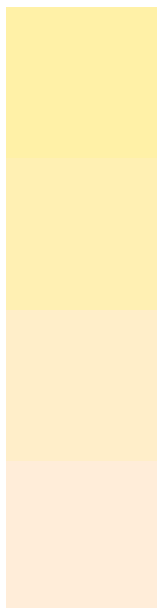
84.5753, 87.0488, 80.7511



Tritanopia

87.1442, 86.6982, 98.5276

Trichromacy



Original Color

79.6703, 86.9606, 49.1452

Protanomaly

80.5368, 86.8348, 55.1639

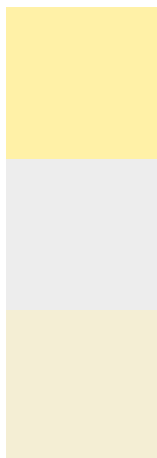
Deuteranomaly

82.3572, 86.6261, 67.6382

Tritanomaly

84.0486, 86.8381, 77.9772

Monochromacy



Original Color

79.6703, 86.9606, 49.1452

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.7664, 85.1356, 74.5160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6703, 86.9606, 49.1452 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, 241, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 167)  
}
```

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, 241, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 167) }
```

Border

The CSS property to change the border of an element to XYZ 79.6703, 86.9606, 49.1452 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, 241, 167) }
```


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

```
.border{ border-color:rgb(255, 241, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6703, 86.9606, 49.1452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 167) }
```

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

```
.background{ background-color: rgb(255,  
241, 167) }
```

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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