

Converting Colors

XYZ(105.6083, 100.0000,
52.2908)

Have a look what the booklet for
XYZ(105.6083, 100.0000, 52.2908)
contains.

XYZ(79.7508, 86.5205, 51.0249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(79.7508, 86.5205,
51.0249)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0AB
RGB	255, 240, 171
RGB Percent	100%, 94%, 67%
CMY	0.0000, 0.0588, 0.3294
CMYK	0.00, 0.06, 0.33, 0.00
HSL	49°, 100%, 84%
HSV	49°, 33%, 100%
XYZ	79.7508, 86.5205, 51.0249
YIQ	236.6190, 31.0890, -18.2790

Conversions

Conversions Part 2

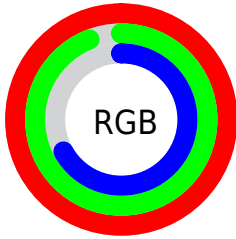
Format	Color
R_{YB}	189, 255, 171
Decimal	16773291
CIE _{Lab}	94.53, -4.85, 35.23
CIE _{LCh}	95, 35.561, 97.834
Yxy	86.5205, 0.3670, 0.3982
Android (android.graphics.Color)	4294963371 (0xFFFFF0AB)
YUV	236.6190, -32.3502, 16.1201
Hunter-Lab	93.0164, -9.7356, 32.5875

Details

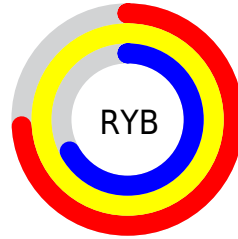
The XYZ color **79.7508, 86.5205, 51.0249** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.4031, 50.9942, 101.6887**, and the grayscale version is **80.4292, 84.6178, 92.1488**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **43.4365, 47.4593, 24.0108** is the 20% darker color. If you saturate the color by 10%, you get **76.2284, 82.9973, 38.9940**, and if you desaturate by 10%, it is **83.7800, 90.3063, 65.5400**.

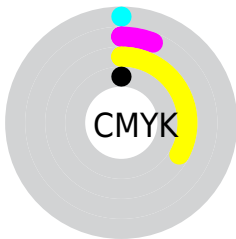
Distribution



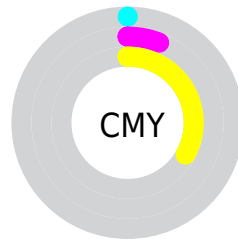
- Red (100%)
- Green (94%)
- Blue (67%)



- Red (74%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (6%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.7508, 86.5205, 51.0249 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 79.7508, 86.5205, 51.0249 by changing the saturation by 10% instead.

 79.7508, 86.5205,
51.0249

 79.7508, 86.5205,
51.0249


482.8420,
516.6459, 407.5098

 59.8211, 65.0985,
35.8516


 131.9677,
142.4956, 93.1035

 43.5233, 47.5409,
24.0308


164.9855,
177.8175, 120.8458

 30.4922, 33.4635,
15.1440


203.0968,
218.5414, 153.6148

 20.3624, 22.4817,
8.7728

246.6669,
265.0518, 191.8291

 12.7686, 14.2113,
4.4985

296.0611,
317.7331, 235.9072

 7.3453, 8.2678,
1.9026

351.6447,

 3.7272, 4.2668,

376.9696, 286.2677

0.4944

413.7832,
443.1457, 343.3290

■ 1.5490, 1.8239,
0.0000

■ 0.3588, 0.5020,
0.0000

■ 79.7508, 86.5205,
51.0249

■ 79.7508, 86.5205,
51.0249

■ 76.2284, 82.9973,
38.9940

■ 83.7800, 90.3063,
65.5400

■ 73.1791, 79.7138,
29.2994

■ 88.3348, 94.3534,
82.6652

■ 70.5750, 76.6613,
21.7856

■ 93.4407, 98.6755,
102.5241

■ 68.3824, 73.8260,
16.2763

■ 95.0500, 100.0000,
108.9000

■ 66.5622, 71.1918,
12.5673

■ 65.0672, 68.7396,
10.4110

■ 64.1592, 67.0983,
9.5697

Harmonies

Analogous

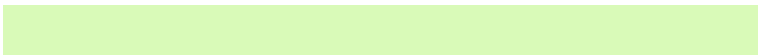
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3801, 86.5205, 53.3213



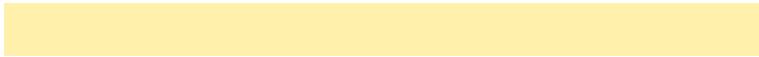
79.7508, 86.5205, 51.0249



71.4498, 86.5205, 58.3923

Triad

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



79.7508, 86.5205, 51.0249



68.5325, 86.5205, 130.3963



100.4940, 86.5205, 115.5368

Complementary

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



79.7508, 86.5205, 51.0249



52.4031, 50.9942, 101.6887

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.



94.0546, 86.5205, 142.2963



79.7508, 86.5205, 51.0249



75.4815, 86.5205, 151.9701

Square

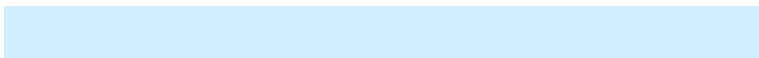
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7508, 86.5205, 51.0249



65.3088, 86.5205, 101.5783



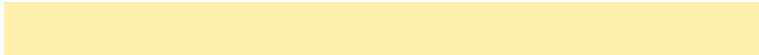
84.7705, 86.5205, 156.7024



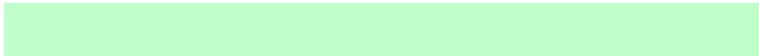
101.8592, 86.5205, 87.1995

Rectangle

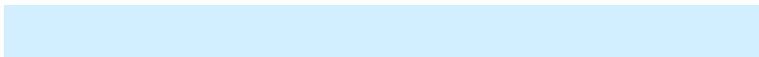
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7508, 86.5205, 51.0249



67.6118, 86.5205, 68.8274



84.7705, 86.5205, 156.7024



98.8282, 86.5205, 125.1629

Sweetspot

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



79.7529, 86.5244, 51.0267



89.7779, 95.5953, 88.2152



64.7091, 53.9490, 53.6814



19.0672, 20.3336, 18.3075



0.0000, 0.0000, 0.0000



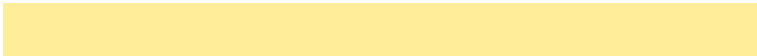
20.3446, 21.4041, 23.3091

Same Dimension

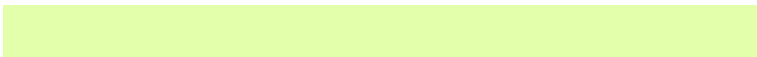
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7529, 86.5244, 51.0267



77.2141, 84.0086, 42.2827



75.2331, 91.0200, 52.1327



19.2692, 20.5066, 19.0869



33.6248, 35.2608, 5.0338



3.3427, 3.5708, 0.5131

Inverse Universe

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



52.4031, 50.9942, 101.6887



45.7889, 43.1963, 100.5321



55.7972, 48.2984, 100.9894



17.2651, 17.9019, 22.7954



10.0075, 4.9246, 49.8577



1.0424, 0.6155, 4.8771

Previews

White Background



This preview shows how the XYZ color 79.7508, 86.5205, 51.0249 looks on a white background.

Color Contrast Check

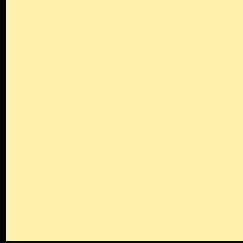
Large Text (above 18pt) WCAG AA × Fail

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 79.7508, 86.5205, 51.0249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

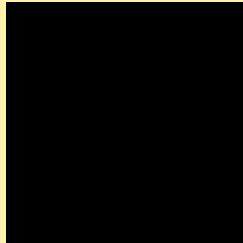
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.7508, 86.5205, 51.0249

Background



This preview shows how black text looks on a background with the XYZ color 79.7508, 86.5205, 51.0249.



This preview shows how white text looks on a background with the XYZ color 79.7508, 86.5205,

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

79.7508, 86.5205, 51.0249

Protanopia

80.6537, 86.4119, 57.2280

Deuteranopia

84.1537, 86.4182, 79.9552



Tritanopia

87.1442, 86.6982, 98.5276

Trichromacy

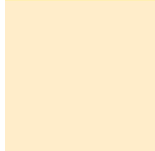


Original Color

79.7508, 86.5205, 51.0249

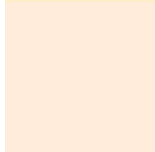
Protanomaly

80.2432, 86.2477, 55.0660



Deuteranomaly

82.1849, 86.0926, 68.1630



Tritanomaly

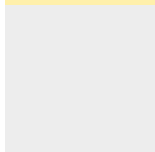
83.8903, 86.3129, 78.5682

Monochromacy



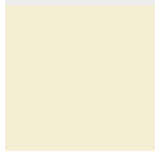
Original Color

79.7508, 86.5205, 51.0249



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

79.8930, 85.1863, 75.1826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7508, 86.5205, 51.0249 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, 240, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 171)  
}
```

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, 240, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 171) }
```

Border

The CSS property to change the border of an element to XYZ 79.7508, 86.5205, 51.0249 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, 240, 171) }
```


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

```
.border{ border-color:rgb(255, 240, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7508, 86.5205, 51.0249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 171) }
```

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

```
.background{ background-color: rgb(255,  
240, 171) }
```

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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