

Converting Colors

XYZ(117.7740, 100.0000,
65.6832)

Have a look what the booklet for
XYZ(117.7740, 100.0000, 65.6832)
contains.

XYZ(78.5144, 79.6839, 64.0657) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(78.5144, 79.6839,
64.0657)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2C5
RGB	255, 226, 197
RGB Percent	100%, 89%, 77%
CMY	0.0000, 0.1137, 0.2274
CMYK	0.00, 0.11, 0.23, 0.00
HSL	30°, 100%, 89%
HSV	30°, 23%, 100%
XYZ	78.5144, 79.6839, 64.0657
YIQ	231.3650, 26.5930, -2.8710

Conversions

Conversions Part 2

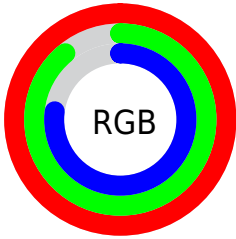
Format	Color
RYB	255, 255, 197
Decimal	16769733
CIELab	91.54, 5.60, 17.83
CIELCh	92, 18.686, 72.567
Yxy	79.6839, 0.3532, 0.3585
Android (android.graphics.Color)	4294959813 (0xFFFE2C5)
YUV	231.3650, -16.9419, 20.7279
Hunter-Lab	89.2658, 0.7857, 19.9339

Details

The XYZ color **78.5144, 79.6839, 64.0657** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68.2716, 73.4809, 105.1927**, and the grayscale version is **76.3376, 80.3131, 87.4609**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **42.8095, 43.1148, 32.0523** is the 20% darker color. If you saturate the color by 10%, you get **72.4980, 71.9381, 48.8437**, and if you desaturate by 10%, it is **85.2867, 88.1499, 81.9799**.

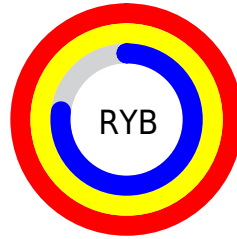
Distribution



Red (100%)

Green (89%)

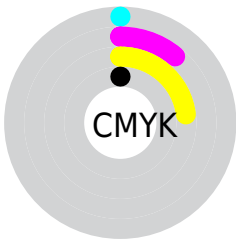
Blue (77%)



Red (100%)

Yellow (100%)

Blue (77%)

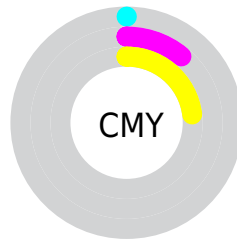


Cyan (0%)

Magenta (11%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5144, 79.6839, 64.0657 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 78.5144, 79.6839, 64.0657 by changing the saturation by 10% instead.


 78.5144, 79.6839,
64.0657

 78.5144, 79.6839,
64.0657


478.7252,
493.8669, 457.6408

 58.8009, 59.4583,
46.2574

130.2365,
132.9212, 112.3059

 42.6986, 42.9821,
32.0988


162.9759,
166.7017, 143.5749

 29.8422, 29.8711,
21.1716


200.7879,
205.7693, 180.1678

 19.8663, 19.7408,
13.0570

244.0379,
250.5083, 222.5033

 12.4056, 12.2067,
7.3366

293.0913,
301.3032, 270.9997

 7.0947, 6.8846,
3.5919

348.3134,

 3.5683, 3.3901,

358.5383, 326.0758

1.4042

410.0696,
422.5981, 388.1500

■ 1.4609, 1.3386,
0.1450

■ 0.2990, 0.1708,
0.0000

■ 78.5144, 79.6839,
64.0657

■ 78.5144, 79.6839,
64.0657

■ 72.4980, 71.9381,
48.8437

■ 85.2867, 88.1499,
81.9799

■ 67.2013, 64.8810,
36.1763

■ 92.8376, 97.3456,
102.7049

■ 62.5934, 58.4936,
25.9208

95.0500, 100.0000,
108.9000

■ 58.6386, 52.7523,
17.9185

■ 55.2974, 47.6311,
11.9915

■ 52.5246, 43.1018,
7.9342

■ 50.2667, 39.1321,
5.4979

■ 48.8972, 36.5743,
4.4824

Harmonies

Analogous

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



82.6848, 79.6839, 70.2008



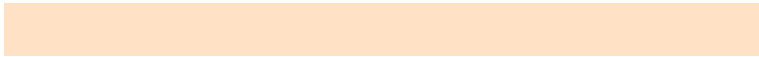
78.5144, 79.6839, 64.0657



73.7618, 79.6839, 63.5959

Triad

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



78.5144, 79.6839, 64.0657



67.1448, 79.6839, 92.5953



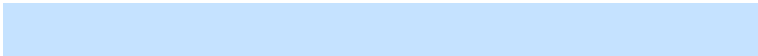
82.1031, 79.6839, 107.5499

Complementary

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



78.5144, 79.6839, 64.0657



68.2716, 73.4809, 105.1927

Split Complementary

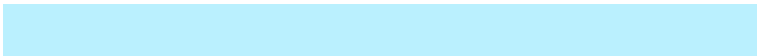
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7474, 79.6839, 114.9650



78.5144, 79.6839, 64.0657



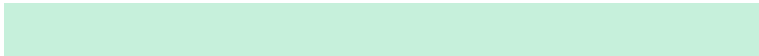
69.1900, 79.6839, 105.7427

Square

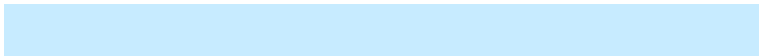
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5144, 79.6839, 64.0657



67.3307, 79.6839, 79.1386



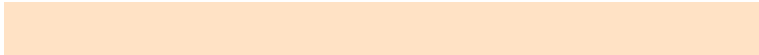
73.0262, 79.6839, 114.2709



84.8157, 79.6839, 94.8604

Rectangle

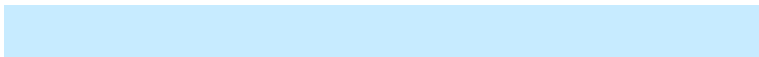
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5144, 79.6839, 64.0657



70.9133, 79.6839, 66.4805



73.0262, 79.6839, 114.2709



80.7749, 79.6839, 110.7989

Sweetspot

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



78.5163, 79.6874, 64.0674



89.5271, 93.3414, 93.5338



74.9343, 66.6844, 80.8741



19.0645, 19.8597, 19.7507



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.



78.5163, 79.6874, 64.0674



75.8649, 76.3036, 57.2676



87.0783, 96.8113, 66.9213



18.7599, 19.4880, 18.9171



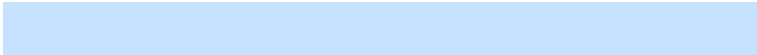
25.6991, 19.4095, 2.3919



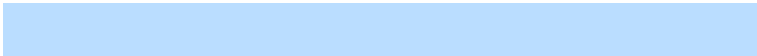
2.6114, 2.1082, 0.2693

Inverse Universe

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



68.2716, 73.4809, 105.1927



64.0789, 69.1633, 104.5803



61.0431, 59.0239, 102.7832



17.7533, 18.8782, 22.9581



13.5787, 12.0669, 51.0481



1.4313, 1.3933, 5.0068

Previews

White Background



This preview shows how the XYZ color 78.5144, 79.6839, 64.0657 looks on a white background.

Color Contrast Check

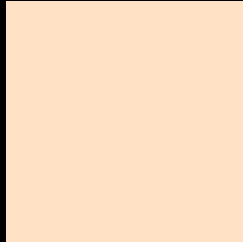
Large Text (above 18pt) WCAG AA × Fail

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 78.5144, 79.6839, 64.0657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

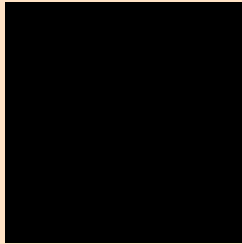
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.5144, 79.6839, 64.0657

Background



This preview shows how black text looks on a background with the XYZ color 78.5144, 79.6839, 64.0657.



This preview shows how white text looks on a background with the XYZ color 78.5144, 79.6839,

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

78.5144, 79.6839, 64.0657

Protanopia

75.2236, 79.5944, 65.4314

Deuteranopia

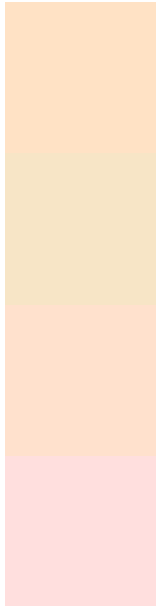
79.6738, 79.7139, 71.5087



Tritanopia

82.5016, 79.5587, 90.3649

Trichromacy



Original Color

78.5144, 79.6839, 64.0657

Protanomaly

76.5701, 79.8900, 64.8107

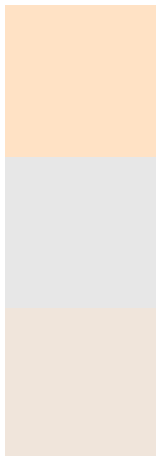
Deuteranomaly

79.1847, 79.5182, 68.9327

Tritanomaly

80.8125, 79.3093, 80.1562

Monochromacy



Original Color

78.5144, 79.6839, 64.0657

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.7407, 79.6784, 78.3526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5144, 79.6839, 64.0657 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, 226, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 197)  
}
```

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, 226, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 197) }
```

Border

The CSS property to change the border of an element to XYZ 78.5144, 79.6839, 64.0657 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, 226, 197) }
```


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

```
.border{ border-color:rgb(255, 226, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5144, 79.6839, 64.0657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 197) }
```

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

```
.background{ background-color: rgb(255,  
226, 197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor