

Converting Colors

XYZ(78.7408, 79.7857, 65.2231)

Have a look what the booklet for
XYZ(78.7408, 79.7857, 65.2231)
contains.

XYZ(78.7452, 79.7762, 65.2809)	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(78.7452, 79.7762,
65.2809)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2C7
RGB	255, 226, 199
RGB Percent	100%, 89%, 78%
CMY	0.0000, 0.1137, 0.2196
CMYK	0.00, 0.11, 0.22, 0.00
HSL	29°, 100%, 89%
HSV	29°, 22%, 100%
XYZ	78.7452, 79.7762, 65.2809
YIQ	231.5930, 25.9510, -2.2490

Conversions

Conversions Part 2

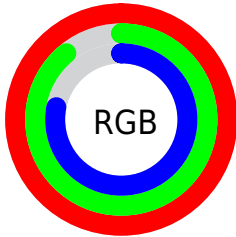
Format	Color
R_{YB}	255, 251, 199
Decimal	16769735
CIE _{Lab}	91.58, 5.88, 16.85
CIE _{LCh}	92, 17.842, 70.763
Yxy	79.7762, 0.3519, 0.3565
Android (android.graphics.Color)	4294959815 (0xFFFFE2C7)
YUV	231.5930, -16.0683, 20.5279
Hunter-Lab	89.3175, 1.0657, 19.1881

Details

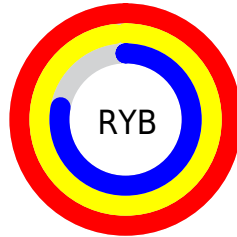
The XYZ color **78.7452, 79.7762, 65.2809** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.3459, 74.8468, 105.3997**, and the grayscale version is **76.5018, 80.4859, 87.6491**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9624, 43.1759, 32.8575** is the 20% darker color. If you saturate the color by 10%, you get **72.5763, 71.7861, 49.8212**, and if you desaturate by 10%, it is **85.6905, 88.5246, 83.4490**.

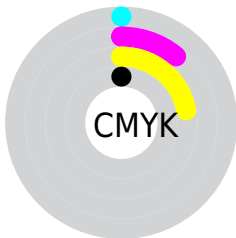
Distribution



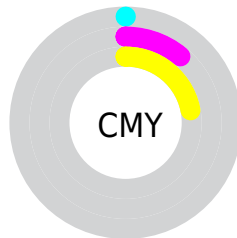
- Red (100%)
- Green (89%)
- Blue (78%)



- Red (100%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (11%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7452, 79.7762, 65.2809 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 78.7452, 79.7762, 65.2809 by changing the saturation by 10% instead.


 78.7452, 79.7762,
65.2809

 78.7452, 79.7762,
65.2809


479.4951,
494.1783, 462.1345

 58.9912, 59.5342,
47.2361


130.5599,
133.0510, 114.0707

 42.8524, 43.0433,
32.8667


163.3514,
166.8527, 145.6529

 29.9634, 29.9191,
21.7540


201.2194,
205.9430, 182.5845

 19.9587, 19.7772,
13.4797

244.5293,
250.7063, 225.2842

 12.4731, 12.2332,
7.6251

293.6465,
301.5271, 274.1706

 7.1412, 6.9027,
3.7717

348.9363,

 3.5977, 3.4013,

358.7898, 329.6620

1.5009

410.7640,
422.8787, 392.1772

■ 1.4772, 1.3447,
0.2186

■ 0.3102, 0.1754,
0.0000

■ 78.7452, 79.7762,
65.2809

■ 78.7452, 79.7762,
65.2809

■ 72.5763, 71.7861,
49.8212

■ 85.6905, 88.5246,
83.4490

■ 67.1472, 64.5218,
36.9326

■ 93.4356, 98.0422,
104.4435

■ 62.4267, 57.9630,
26.4735

■ 95.0500, 100.0000,
108.9000

■ 58.3786, 52.0848,
18.2862

■ 54.9628, 46.8600,
12.1941

■ 52.1340, 42.2589,
7.9940

■ 49.8387, 38.2481,
5.4413

■ 48.3192, 35.4185,
4.2897

Harmonies

Analogous

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



82.6490, 79.7762, 71.5029



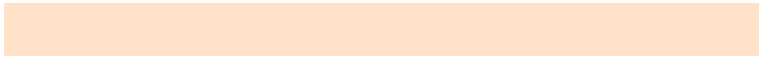
78.7452, 79.7762, 65.2809



74.2021, 79.7762, 64.4917

Triad

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



78.7452, 79.7762, 65.2809



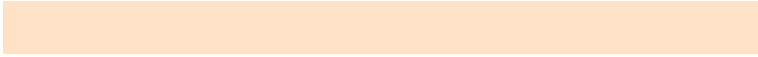
67.5476, 79.7762, 91.6283



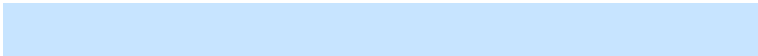
81.6842, 79.7762, 107.2645

Complementary

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



78.7452, 79.7762, 65.2809



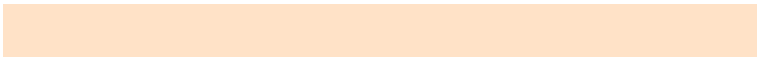
69.3459, 74.8468, 105.3997

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.



77.4711, 79.7762, 113.8876



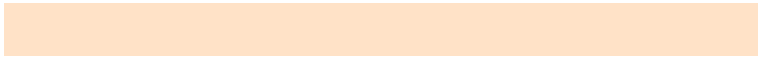
78.7452, 79.7762, 65.2809



69.3872, 79.7762, 104.2783

Square

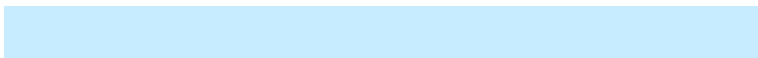
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7452, 79.7762, 65.2809



67.8579, 79.7762, 78.8632



72.9777, 79.7762, 112.7431



84.3922, 79.7762, 95.3856

Rectangle

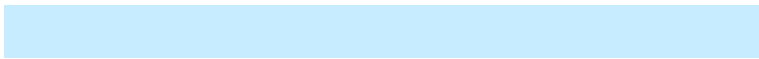
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7452, 79.7762, 65.2809



71.4357, 79.7762, 67.0553



72.9777, 79.7762, 112.7431



80.3902, 79.7762, 110.2306

Sweetspot

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



78.7470, 79.7797, 65.2826



89.4302, 93.1475, 93.5015



75.7882, 67.7574, 83.1158



19.0420, 19.8148, 19.7433



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.



78.7470, 79.7797, 65.2826



76.1628, 76.4611, 58.7178



86.7164, 95.7184, 67.9390



18.7322, 19.4327, 18.9079



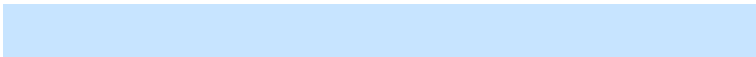
25.3957, 18.8026, 2.2908



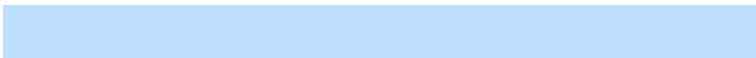
2.5814, 2.0482, 0.2593

Inverse Universe

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



69.3459, 74.8468, 105.3997



65.3570, 70.7907, 104.8270



62.4597, 61.0743, 103.1043



17.7810, 18.9336, 22.9673



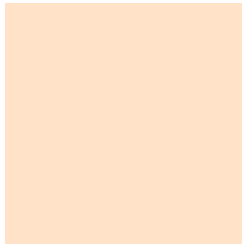
13.8955, 12.7005, 51.1537



1.4624, 1.4555, 5.0171

Previews

White Background



This preview shows how the XYZ color 78.7452, 79.7762, 65.2809 looks on a white background.

Color Contrast Check

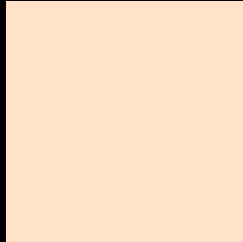
Large Text (above 18pt) WCAG AA × Fail

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 78.7452, 79.7762, 65.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

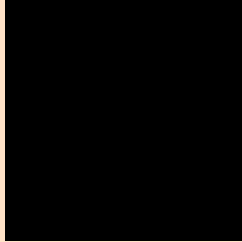
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7452, 79.7762, 65.2809

Background



This preview shows how black text looks on a background with the XYZ color 78.7452, 79.7762, 65.2809.

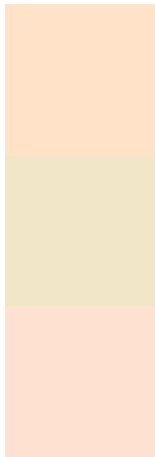


This preview shows how white text looks on a background with the XYZ color 78.7452, 79.7762,

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

78.7452, 79.7762, 65.2809

Protanopia

75.4574, 79.6879, 66.6626

Deuteranopia

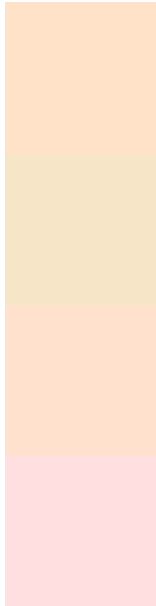
79.7981, 79.7636, 72.1629



Tritanopia

82.6473, 79.6170, 91.1324

Trichromacy



Original Color

78.7452, 79.7762, 65.2809

Protanomaly

76.8024, 79.9829, 66.0339

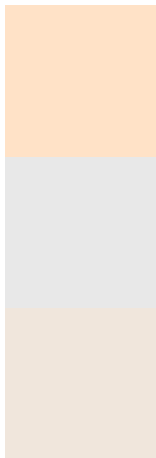
Deuteranomaly

79.3058, 79.5667, 69.5706

Tritanomaly

80.9470, 79.3631, 80.8643

Monochromacy



Original Color

78.7452, 79.7762, 65.2809

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.1503, 80.2862, 79.1407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7452, 79.7762, 65.2809 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 199) }
```

Border

The CSS property to change the border of an element to XYZ 78.7452, 79.7762, 65.2809 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, 199) }
```


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

```
.border{ border-color:rgb(255, 226, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7452, 79.7762, 65.2809 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
226, 199) }
```

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