

Converting Colors

XYZ(109.3934, 96.2171,
64.0753)

Have a look what the booklet for
XYZ(109.3934, 96.2171, 64.0753)
contains.

XYZ(78.4467, 80.0932, 62.3639)	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(78.4467, 80.0932,
62.3639)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE3C2
RGB	255, 227, 194
RGB Percent	100%, 89%, 76%
CMY	0.0000, 0.1098, 0.2392
CMYK	0.00, 0.11, 0.24, 0.00
HSL	32°, 100%, 88%
HSV	32°, 24%, 100%
XYZ	78.4467, 80.0932, 62.3639
YIQ	231.6100, 27.2810, -4.3270

Conversions

Conversions Part 2

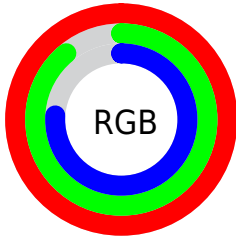
Format	Color
R_{YB}	246, 255, 194
Decimal	16769986
CIE _{Lab}	91.73, 4.67, 19.64
CIE _{LCh}	92, 20.189, 76.623
Yxy	80.0932, 0.3551, 0.3626
Android (android.graphics.Color)	4294960066 (0xFFFFE3C2)
YUV	231.6100, -18.5417, 20.5130
Hunter-Lab	89.4948, -0.1517, 21.3305

Details

The XYZ color **78.4467, 80.0932, 62.3639** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.4187, 70.9298, 104.7979**, and the grayscale version is **76.5318, 80.5174, 87.6834**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **42.7749, 43.4043, 30.9343** is the 20% darker color. If you saturate the color by 10%, you get **72.7326, 72.8616, 47.5217**, and if you desaturate by 10%, it is **84.8737, 87.9637, 79.8701**.

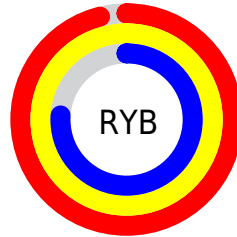
Distribution



Red (100%)

Green (89%)

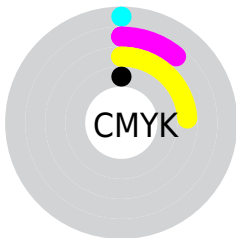
Blue (76%)



Red (96%)

Yellow (100%)

Blue (76%)

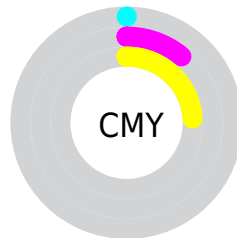


Cyan (0%)

Magenta (11%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4467, 80.0932, 62.3639 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 78.4467, 80.0932, 62.3639 by changing the saturation by 10% instead.


 78.4467, 80.0932,
62.3639

 78.4467, 80.0932,
62.3639


478.4992,
495.2469, 451.3015

 58.7451, 59.7950,
44.8891


130.1417,
133.4968, 109.8280

 42.6535, 43.2535,
31.0278


162.8657,
167.3710, 140.6544

 29.8067, 30.0840,
20.3614


200.6613,
206.5393, 176.7684

 19.8392, 19.9024,
12.4713

243.8937,
251.3862, 218.5885

 12.3858, 12.3241,
6.9391

292.9284,
302.2960, 266.5334

 7.0811, 6.9648,
3.3462

348.1306,

 3.5596, 3.4401,

359.6531, 321.0215

1.2740

409.8657,
423.8419, 382.4713

■ 1.4562, 1.3656,
0.0403

■ 0.2957, 0.1912,
0.0000

■ 78.4467, 80.0932,
62.3639

■ 78.4467, 80.0932,
62.3639

■ 72.7326, 72.8616,
47.5217

■ 84.8737, 87.9637,
79.8701

■ 67.6962, 66.2395,
35.2049

■ 92.0354, 96.4800,
100.1594

■ 63.3078, 60.2108,
25.2699

95.0500, 100.0000,
108.9000

■ 59.5326, 54.7543,
17.5566

■ 56.3321, 49.8470,
11.8846

■ 53.6618, 45.4632,
8.0450

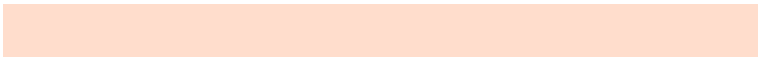
■ 51.4687, 41.5736,
5.7827

■ 50.3247, 39.4294,
4.9582

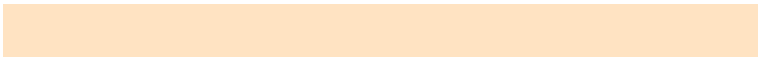
Harmonies

Analogous

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



83.1516, 80.0932, 68.1277



78.4467, 80.0932, 62.3639



73.3207, 80.0932, 62.6979

Triad

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



78.4467, 80.0932, 62.3639



67.0023, 80.0932, 95.5989



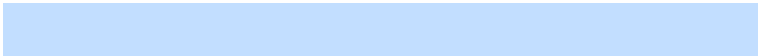
83.5741, 80.0932, 108.2334

Complementary

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



78.4467, 80.0932, 62.3639



66.4187, 70.9298, 104.7979

Split Complementary

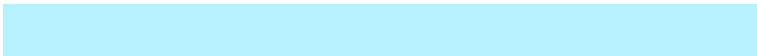
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0023, 80.0932, 117.3943



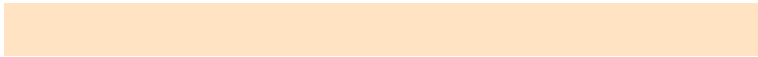
78.4467, 80.0932, 62.3639



69.5081, 80.0932, 109.5543

Square

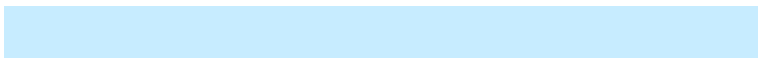
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4467, 80.0932, 62.3639



66.8687, 80.0932, 80.7926



73.8519, 80.0932, 117.9033



86.2009, 80.0932, 93.9541

Rectangle

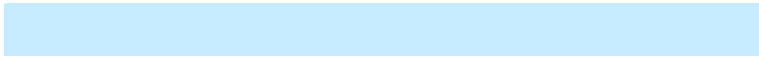
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4467, 80.0932, 62.3639



70.3549, 80.0932, 66.3173



73.8519, 80.0932, 117.9033



82.2047, 80.0932, 112.0807

Sweetspot

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



78.4486, 80.0967, 62.3656



89.7501, 93.7874, 93.6082



73.7798, 65.1434, 78.1217



19.1161, 19.9630, 19.7680



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.



78.4486, 80.0967, 62.3656



75.4585, 76.3441, 54.5018



85.9937, 96.2915, 65.0938



18.8237, 19.6155, 18.9384



26.4469, 20.9051, 2.6412



2.6844, 2.2541, 0.2936

Inverse Universe

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



66.4187, 70.9298, 104.7979



61.4151, 65.6444, 104.0415



60.1163, 57.5449, 102.5465



17.6899, 18.7513, 22.9370



12.9024, 10.7143, 50.8226



1.3640, 1.2587, 4.9843

Previews

White Background



This preview shows how the XYZ color 78.4467, 80.0932, 62.3639 looks on a white background.

Color Contrast Check

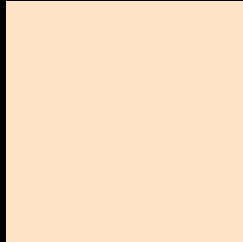
Large Text (above 18pt) WCAG AA × Fail

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 78.4467, 80.0932, 62.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

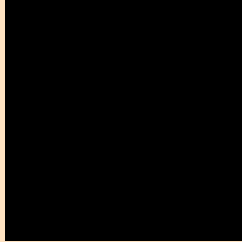
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4467, 80.0932, 62.3639

Background



This preview shows how black text looks on a background with the XYZ color 78.4467, 80.0932, 62.3639.

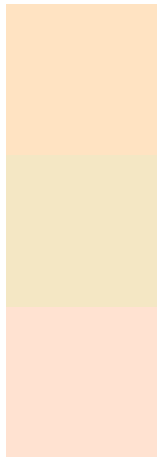


This preview shows how white text looks on a background with the XYZ color 78.4467, 80.0932,

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

78.4467, 80.0932, 62.3639

Protanopia

75.8479, 80.3704, 63.7400

Deuteranopia

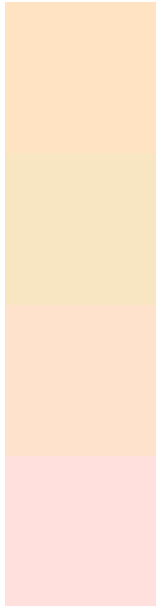
79.9450, 80.2562, 71.5990



Tritanopia

82.9137, 80.1498, 91.2212

Trichromacy



Original Color

78.4467, 80.0932, 62.3639

Protanomaly

76.8585, 80.4902, 63.1150

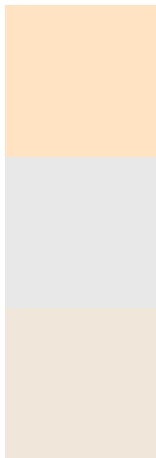
Deuteranomaly

79.3354, 80.0123, 68.3892

Tritanomaly

80.9468, 79.7918, 79.5416

Monochromacy



Original Color

78.4467, 80.0932, 62.3639

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8869, 80.1808, 77.7537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4467, 80.0932, 62.3639 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, 227, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 194)  
}
```

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, 227, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 194) }
```

Border

The CSS property to change the border of an element to XYZ 78.4467, 80.0932, 62.3639 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, 227, 194) }
```


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

```
.border{ border-color:rgb(255, 227, 194) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4467, 80.0932, 62.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 194) }
```

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

```
.background{ background-color: rgb(255,  
227, 194) }
```

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