

Converting Colors

XYZ(102.9070, 100.0000,
87.7907)

Have a look what the booklet for
XYZ(102.9070, 100.0000, 87.7907)
contains.

XYZ(88.0353, 92.2220, 87.2894)	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(88.0353, 92.2220,
87.2894)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5E5
RGB	255, 245, 229
RGB Percent	100%, 96%, 90%
CMY	0.0000, 0.0392, 0.1020
CMYK	0.00, 0.04, 0.10, 0.00
HSL	37°, 100%, 95%
HSV	37°, 10%, 100%
XYZ	88.0353, 92.2220, 87.2894
YIQ	246.1660, 11.0960, -2.8560

Conversions

Conversions Part 2

Format	Color
R_{YB}	245, 255, 229
Decimal	16774629
CIE _{Lab}	96.91, 0.70, 8.88
CIE _{LCh}	97, 8.908, 85.466
Yxy	92.2220, 0.3290, 0.3447
Android (android.graphics.Color)	4294964709 (0xFFFFF5E5)
YUV	246.1660, -8.4628, 7.7474
Hunter-Lab	96.0323, -4.4209, 13.3304

Details

The XYZ color 88.0353, 92.2220, 87.2894 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.2289, 85.6087, 106.8507, and the grayscale version is 87.7937, 92.3658, 100.5863.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.1263, 51.4570, 47.3874 is the 20% darker color. If you saturate the color by 10%, you get 81.8462, 85.1293, 68.9318, and if you desaturate by 10%, it is 94.9088, 99.8458, 108.4577.

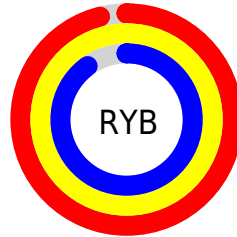
Distribution



Red (100%)

Green (96%)

Blue (90%)



Red (96%)

Yellow (100%)

Blue (90%)



Cyan (0%)

Magenta (4%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.0353, 92.2220, 87.2894 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 88.0353, 92.2220, 87.2894 by changing the saturation by 10% instead.


 88.0353, 92.2220,
87.2894

 88.0353, 92.2220,
87.2894


509.9525,
535.2327, 539.5142

 66.6832, 69.8250,
65.1737

143.4986,
150.4210, 145.4699

 49.0970, 51.3839,
47.1497


178.3405,
186.9919, 182.3718

 34.9113, 36.5142,
32.7988


218.4096,
229.0562, 225.0395

 23.7607, 24.8316,
21.7025

264.0715,
276.9983, 273.8915

 15.2800, 15.9516,
13.4423

315.6913,
331.2026, 329.3465

 9.1037, 9.4899,
7.5995

373.6345,

 4.8665, 5.0621,

392.0535, 391.8229

3.7557

438.2665,
459.9354, 461.7393

■ 2.2031, 2.2837,
1.4923

■ 0.7444, 0.7651,
0.2122

■ 88.0353, 92.2220,
87.2894

■ 88.0353, 92.2220,
87.2894

■ 81.8462, 85.1293,
68.9318

94.9088, 99.8458,
108.4577

■ 76.3100, 78.5423,
53.2586

95.0500, 100.0000,
108.9000

■ 71.4021, 72.4502,
40.1427

■ 67.0934, 66.8374,
29.4440

■ 63.3524, 61.6870,
21.0090

■ 60.1441, 56.9809,
14.6663

■ 57.4286, 52.6986,
10.2197

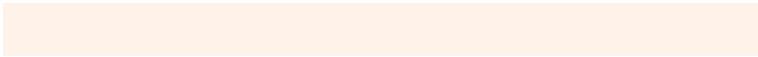
■ 55.1589, 48.8170,
7.4352

■ 53.2931, 45.3663,
5.9477

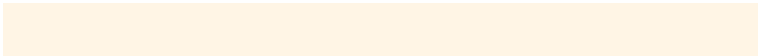
Harmonies

Analogous

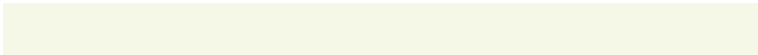
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4113, 92.2220, 89.4807



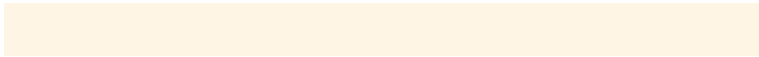
88.0353, 92.2220, 87.2894



85.6009, 92.2220, 88.4754

Triad

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



88.0353, 92.2220, 87.2894



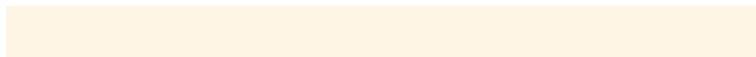
83.3799, 92.2220, 106.4587



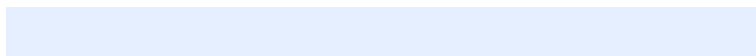
91.6796, 92.2220, 108.4333

Complementary

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



88.0353, 92.2220, 87.2894



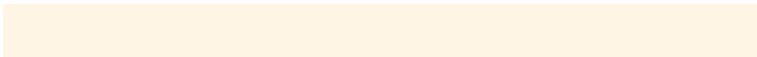
81.2289, 85.6087, 106.8507

Split Complementary

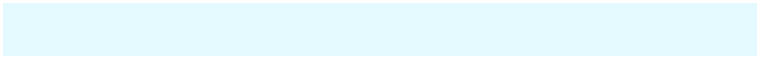
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7402, 92.2220, 113.3812



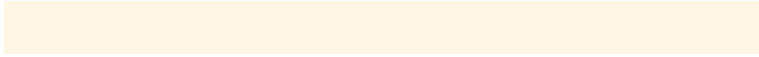
88.0353, 92.2220, 87.2894



84.9538, 92.2220, 112.2036

Square

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



88.0353, 92.2220, 87.2894



82.9429, 92.2220, 99.3283



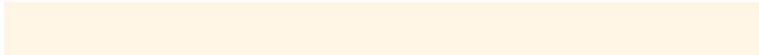
87.2743, 92.2220, 114.7925



92.5407, 92.2220, 101.5078

Rectangle

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



88.0353, 92.2220, 87.2894



84.2677, 92.2220, 91.0530



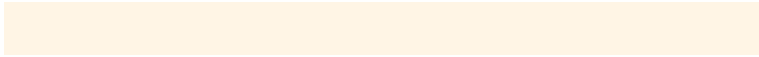
87.2743, 92.2220, 114.7925



91.1304, 92.2220, 110.3957

Sweetspot

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



88.0374, 92.2258, 87.2914



92.9116, 97.6551, 102.2315



84.8991, 83.5554, 93.6255



19.7669, 20.7698, 21.5097



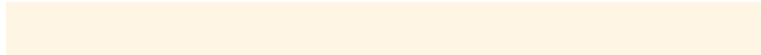
0.0000, 0.0000, 0.0000



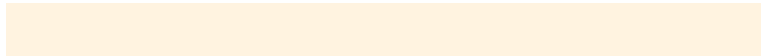
20.3446, 21.4041, 23.3091

Same Dimension

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



88.0374, 92.2258, 87.2914



86.8705, 90.9069, 83.7740



90.1931, 97.9475, 88.2821



18.9405, 19.8492, 18.9773



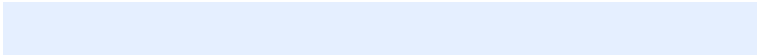
27.9958, 24.0029, 3.1575



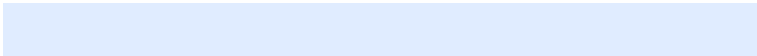
2.8317, 2.5488, 0.3427

Inverse Universe

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



81.2289, 85.6087, 106.8507



78.9569, 83.2159, 106.5085



79.2193, 80.3488, 105.9413



17.5754, 18.5225, 22.8988



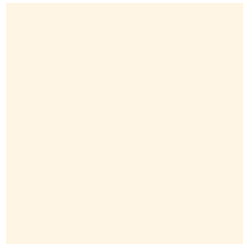
11.8482, 8.6059, 50.4712



1.2555, 1.0416, 4.9482

Previews

White Background



This preview shows how the XYZ color 88.0353, 92.2220, 87.2894 looks on a white background.

Color Contrast Check

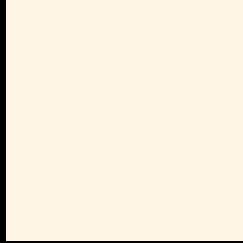
Large Text (above 18pt) WCAG AA × Fail

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 88.0353, 92.2220, 87.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

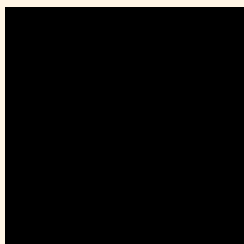
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.0353, 92.2220, 87.2894

Background



This preview shows how black text looks on a background with the XYZ color 88.0353, 92.2220, 87.2894.



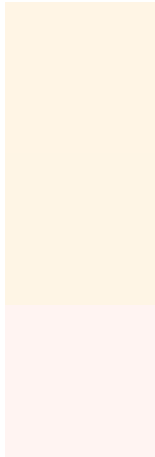
This preview shows how white text looks on a background with the XYZ color 88.0353, 92.2220,

87.2894.

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

88.0353, 92.2220, 87.2894

Protanopia

87.6683, 92.0328, 87.2722

Deuteranopia

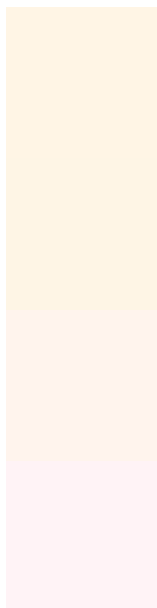
89.6177, 92.3722, 97.1107



Tritanopia

91.0421, 91.9843, 107.5640

Trichromacy



Original Color

88.0353, 92.2220, 87.2894

Protanomaly

87.6683, 92.0328, 87.2722

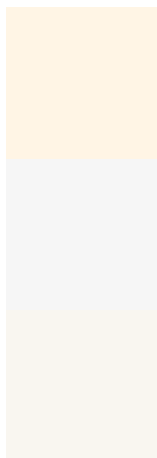
Deuteranomaly

88.8767, 92.0758, 93.2089

Tritanomaly

89.9251, 92.0150, 100.2099

Monochromacy



Original Color

88.0353, 92.2220, 87.2894

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.7509, 92.3425, 95.6370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.0353, 92.2220, 87.2894 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, 245, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 229)  
}
```

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, 245, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 229) }
```

Border

The CSS property to change the border of an element to XYZ 88.0353, 92.2220, 87.2894 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, 245, 229) }
```


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

```
.border{ border-color:rgb(255, 245, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 88.0353, 92.2220, 87.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 229) }
```

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

```
.background{ background-color: rgb(255,  
245, 229) }
```

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