

Converting Colors

XYZ(101.6586, 100.0000,
82.2231)

Have a look what the booklet for
XYZ(101.6586, 100.0000, 82.2231)
contains.

XYZ(87.2469, 92.3920, 81.6416) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(87.2469, 92.3920,
81.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6DD
RGB	255, 246, 221
RGB Percent	100%, 96%, 87%
CMY	0.0000, 0.0353, 0.1333
CMYK	0.00, 0.04, 0.13, 0.00
HSL	44°, 100%, 93%
HSV	44°, 13%, 100%
XYZ	87.2469, 92.3920, 81.6416
YIQ	245.8410, 13.3890, -5.8670

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 255, 221
Decimal	16774877
CIE Lab	96.98, -1.05, 13.10
CIE LCh	97, 13.139, 94.601
Yxy	92.3920, 0.3339, 0.3536
Android (android.graphics.Color)	4294964957 (0xFFFFF6DD)
YUV	245.8410, -12.2466, 8.0324
Hunter-Lab	96.1208, -6.1904, 16.9257

Details

The XYZ color **87.2469, 92.3920, 81.6416** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.1649, 79.1836, 105.8774**, and the grayscale version is **87.5591, 92.1190, 100.3176**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5851, 51.5859, 43.4727** is the 20% darker color. If you saturate the color by 10%, you get **82.0900, 87.1086, 64.4148**, and if you desaturate by 10%, it is **92.9987, 98.0387, 101.6150**.

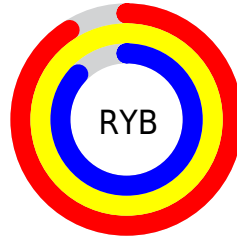
Distribution



Red (100%)

Green (96%)

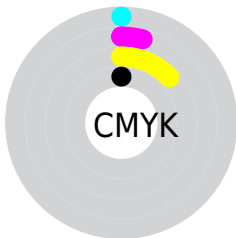
Blue (87%)



Red (91%)

Yellow (100%)

Blue (87%)

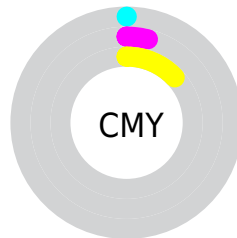


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.2469, 92.3920, 81.6416 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 87.2469, 92.3920, 81.6416 by changing the saturation by 10% instead.


 87.2469, 92.3920,
81.6416

 87.2469, 92.3920,
81.6416


507.4062,
535.7816, 520.3000

 66.0283, 69.9663,
60.5361


142.4061,
150.6566, 137.5035

 48.5631, 51.4990,
43.4227

177.0774,
187.2642, 173.0969

 34.4862, 36.6059,
29.8831


216.9637,
229.3679, 214.3566

 23.4320, 24.9025,
19.4986

262.4302,
277.3521, 261.7013

 15.0353, 16.0044,
11.8506

313.8423,
331.6012, 315.5495

 8.9306, 9.5273,
6.5208

371.5655,

 4.7527, 5.0867,

392.4995, 376.3196

3.0904

435.9650,
460.4315, 444.4303

■ 2.1362, 2.2982,
1.1410

■ 0.7088, 0.7728,
0.0000

■ 87.2469, 92.3920,
81.6416

■ 87.2469, 92.3920,
81.6416

■ 82.0900, 87.1086,
64.4148

■ 92.9987, 98.0387,
101.6150

■ 77.4977, 82.1659,
49.8062

95.0500, 100.0000,
108.9000

■ 73.4462, 77.5563,
37.6859

■ 69.9076, 73.2673,
27.9108

■ 66.8511, 69.2853,
20.3228

■ 64.2423, 65.5951,
14.7443

■ 62.0413, 62.1795,
10.9698

■ 60.1998, 59.0178,
8.7491

■ 59.1258, 57.0317,
7.8919

Harmonies

Analogous

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



90.9000, 92.3920, 83.3077



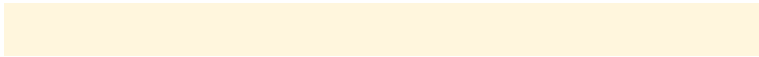
87.2469, 92.3920, 81.6416



83.8410, 92.3920, 84.7560

Triad

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



87.2469, 92.3920, 81.6416



82.0940, 92.3920, 112.6074



94.3946, 92.3920, 109.5858

Complementary

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



87.2469, 92.3920, 81.6416



76.1649, 79.1836, 105.8774

Split Complementary

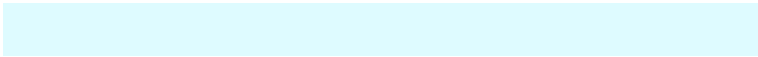
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9143, 92.3920, 118.3031



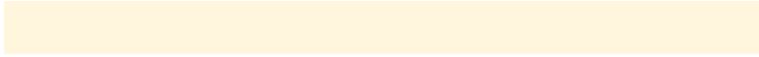
87.2469, 92.3920, 81.6416



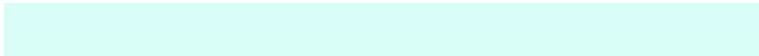
84.8022, 92.3920, 120.1316

Square

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



87.2469, 92.3920, 81.6416



80.9195, 92.3920, 102.2409



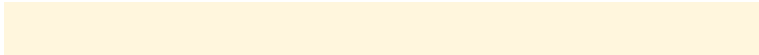
88.3872, 92.3920, 122.2853



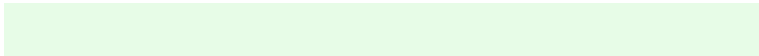
95.0932, 92.3920, 98.9751

Rectangle

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



87.2469, 92.3920, 81.6416



82.1483, 92.3920, 89.2618



88.3872, 92.3920, 122.2853



93.7382, 92.3920, 112.8581

Sweetspot

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



87.2491, 92.3959, 81.6436



92.5961, 97.6508, 100.1944



81.3894, 78.6909, 85.8122



19.7230, 20.8081, 21.1062



0.0000, 0.0000, 0.0000



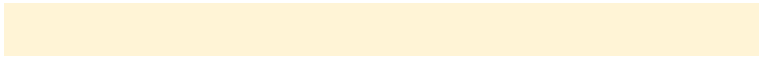
20.3446, 21.4041, 23.3091

Same Dimension

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



87.2491, 92.3959, 81.6436



85.8162, 90.9512, 76.7847



87.1928, 96.5269, 82.4439



19.1308, 20.2298, 19.0408



31.0232, 30.0577, 4.1666



3.1101, 3.1055, 0.4355

Inverse Universe

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



76.1649, 79.1836, 105.8774



72.7633, 75.3929, 105.3250



76.1992, 75.5811, 105.1802



17.3937, 18.1591, 22.8383



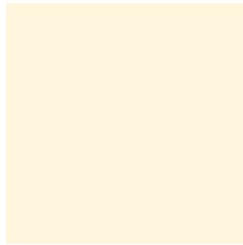
10.5976, 6.1048, 50.0544



1.1167, 0.7640, 4.9019

Previews

White Background



This preview shows how the XYZ color 87.2469, 92.3920, 81.6416 looks on a white background.

Color Contrast Check

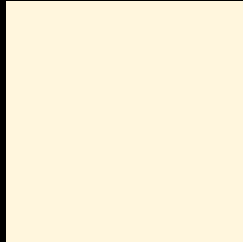
Large Text (above 18pt) WCAG AA × Fail

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 87.2469, 92.3920, 81.6416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

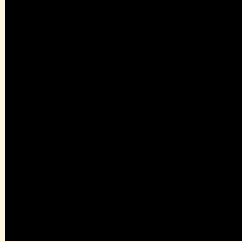
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.2469, 92.3920, 81.6416

Background



This preview shows how black text looks on a background with the XYZ color 87.2469, 92.3920, 81.6416.



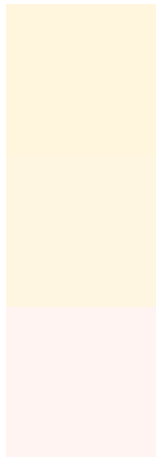
This preview shows how white text looks on a background with the XYZ color 87.2469, 92.3920,

81.6416.

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

87.2469, 92.3920, 81.6416

Protanopia

87.7864, 92.6078, 84.4824

Deuteranopia

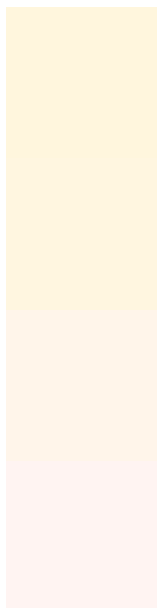
89.4679, 92.3122, 96.3217



Tritanopia

91.1800, 92.5169, 106.8178

Trichromacy



Original Color

87.2469, 92.3920, 81.6416

Protanomaly

87.6503, 92.5534, 83.7659

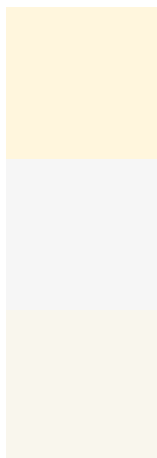
Deuteranomaly

88.7437, 92.5053, 91.0199

Tritanomaly

89.6177, 92.3722, 97.1107

Monochromacy



Original Color

87.2469, 92.3920, 81.6416

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.3088, 92.1657, 93.3089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.2469, 92.3920, 81.6416 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, 246, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 221)  
}
```

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, 246, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 221) }
```

Border

The CSS property to change the border of an element to XYZ 87.2469, 92.3920, 81.6416 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, 246, 221) }
```


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

```
.border{ border-color:rgb(255, 246, 221) }
```

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

Here you see how a box with a 4 pixel rgb(255, 246, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2469, 92.3920, 81.6416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 221) }
```

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

```
.background{ background-color: rgb(255,  
246, 221) }
```

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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