

Converting Colors

XYZ(95.9304, 114.3640,
75.2665)

Have a look what the booklet for
XYZ(95.9304, 114.3640, 75.2665)
contains.

XYZ(87.0455, 96.6717, 72.4642)	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(87.0455, 96.6717,
72.4642)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFCE
RGB	252, 255, 206
RGB Percent	99%, 100%, 81%
CMY	0.0118, 0.0000, 0.1921
CMYK	0.01, 0.00, 0.19, 0.00
HSL	64°, 100%, 90%
HSV	64°, 19%, 100%
XYZ	87.0455, 96.6717, 72.4642
YIQ	248.5170, 13.9410, -15.8750

Conversions

Conversions Part 2

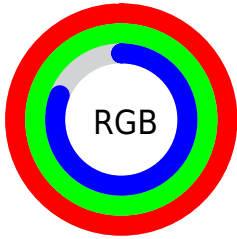
Format	Color
RYB	206, 255, 209
Decimal	16580558
CIELab	98.70, -8.83, 23.14
CIELCh	99, 24.769, 110.895
Yxy	96.6717, 0.3398, 0.3774
Android (android.graphics.Color)	4294770638 (0xFFFCFFCE)
YUV	248.5170, -20.9609, 3.0546
Hunter-Lab	98.3218, -14.0348, 25.1279

Details

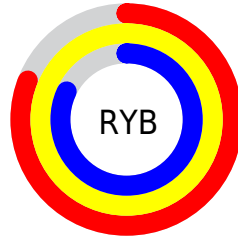
The XYZ color **87.0455, 96.6717, 72.4642** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.4167, 64.9191, 103.6378**, and the grayscale version is **89.8038, 94.4806, 102.8894**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3673, 54.2573, 37.6292** is the 20% darker color. If you saturate the color by 10%, you get **83.6317, 95.2412, 57.4242**, and if you desaturate by 10%, it is **90.9677, 98.3062, 90.1541**.

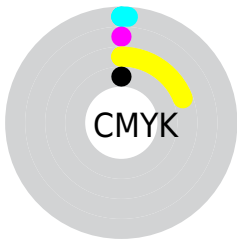
Distribution



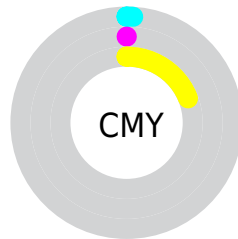
- Red (99%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (82%)



- Cyan (1%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.0455, 96.6717, 72.4642 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 87.0455, 96.6717, 72.4642 by changing the saturation by 10% instead.


 87.0455, 96.6717,
72.4642

 87.0455, 96.6717,
72.4642

506.7547,
549.5030, 488.1766

 65.8610, 73.5271,
53.0488


142.1269,
156.5721, 124.4301

 48.4269, 54.4071,
37.4537


176.7545,
194.0967, 157.8177

 34.3777, 38.9272,
25.2605


216.5939,
237.1835, 196.6998

 23.3482, 26.7031,
16.0504

262.0104,
286.2167, 241.4950

 14.9729, 17.3504,
9.4051

313.3694,
341.5809, 292.6217

 8.8866, 10.4846,
4.9059

371.0362,

 4.7238, 5.7214,

403.6605, 350.4985

2.1344

435.3762,
472.8397, 415.5440

■ 2.1192, 2.6764,
0.6361

■ 0.6996, 0.9652,
0.0000

■ 87.0455, 96.6717,
72.4642

■ 87.0455, 96.6717,
72.4642

■ 83.6317, 95.2412,
57.4242

■ 90.9677, 98.3062,
90.1541

■ 80.7004, 94.0042,
44.9025

95.0500, 100.0000,
108.9000

■ 78.2260, 92.9504,
34.7626

■ 76.1798, 92.0685,
26.8532

■ 74.5297, 91.3456,
21.0058

■ 73.2392, 90.7670,
17.0281

■ 72.2649, 90.3154,
14.6915

■ 71.5414, 89.9647,
13.6518

■ 71.4889, 89.9389,
13.5921

Harmonies

Analogous

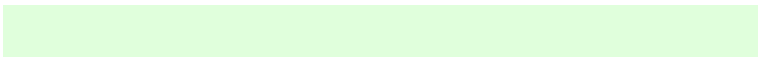
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0862, 96.6717, 70.8370



87.0455, 96.6717, 72.4642



81.5782, 96.6717, 82.2316

Triad

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



87.0455, 96.6717, 72.4642



83.4454, 96.6717, 139.0301



106.2053, 96.6717, 111.6423

Complementary

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



87.0455, 96.6717, 72.4642



66.4167, 64.9191, 103.6378

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.



103.0221, 96.6717, 132.2280



87.0455, 96.6717, 72.4642



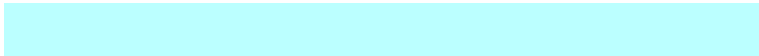
89.7156, 96.6717, 149.3405

Square

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



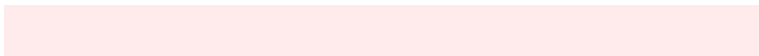
87.0455, 96.6717, 72.4642



79.5762, 96.6717, 120.0050



96.8976, 96.6717, 146.7010



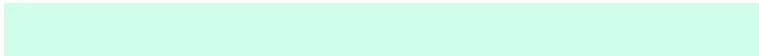
105.3986, 96.6717, 91.7734

Rectangle

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



87.0455, 96.6717, 72.4642



79.4421, 96.6717, 92.8377



96.8976, 96.6717, 146.7010



105.5605, 96.6717, 118.7417

Sweetspot

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



87.0460, 96.6719, 72.4656



92.3399, 98.8763, 96.4228



75.0471, 71.0488, 68.1522



19.7039, 21.1384, 20.3609



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

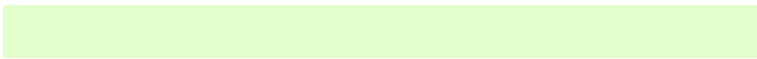
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0460, 96.6719, 72.4656



85.6952, 96.1069, 66.4675



78.9120, 92.4787, 72.0849



19.4449, 21.0308, 19.1788



37.4017, 47.0193, 7.1044



3.6736, 4.5946, 0.6932

Inverse Universe

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



66.4167, 64.9191, 103.6378



61.6724, 59.1290, 102.7703



73.7101, 68.6790, 103.9792



17.1059, 17.4308, 22.7129



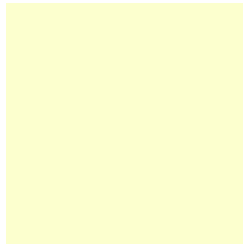
9.5791, 3.8487, 49.6726



0.9672, 0.3925, 4.8381

Previews

White Background



This preview shows how the XYZ color 87.0455, 96.6717, 72.4642 looks on a white background.

Color Contrast Check

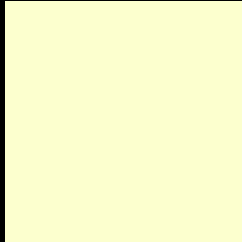
Large Text (above 18pt) WCAG AA × Fail

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 87.0455, 96.6717, 72.4642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

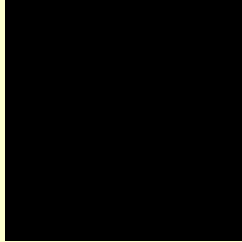
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.0455, 96.6717, 72.4642

Background



This preview shows how black text looks on a background with the XYZ color 87.0455, 96.6717, 72.4642.



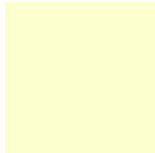
This preview shows how white text looks on a background with the XYZ color 87.0455, 96.6717,

72.4642.

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

87.0455, 96.6717, 72.4642

Protanopia

91.6144, 96.6052, 97.0372

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

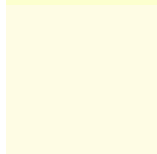
92.7436, 96.4739, 108.3409

Trichromacy



Original Color

87.0455, 96.6717, 72.4642



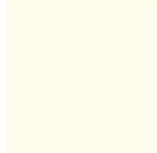
Protanomaly

89.6870, 96.2931, 87.2582



Deuteranomaly

90.3914, 96.5748, 90.9675



Tritanomaly

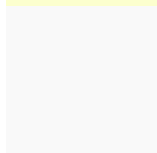
90.6045, 96.6179, 93.9945

Monochromacy



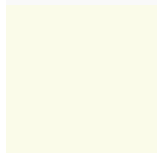
Original Color

87.0455, 96.6717, 72.4642



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.6295, 95.2015, 90.7953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.0455, 96.6717, 72.4642 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(252, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 206)  
}
```

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(252, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 87.0455, 96.6717, 72.4642 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(252, 255, 206) }
```


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

```
.border{ border-color:rgb(252, 255, 206) }
```

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

Here you see how a box with a 4 pixel rgb(252, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 87.0455, 96.6717, 72.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 206) }
```

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

```
.background{ background-color: rgb(252,  
255, 206) }
```

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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