

Converting Colors

XYZ(82.3458, 94.9163, 64.4263)

Have a look what the booklet for
XYZ(82.3458, 94.9163, 64.4263)
contains.

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Color

**XYZ(82.0036, 94.2475,
64.3216)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFC1
RGB	242, 255, 193
RGB Percent	95%, 100%, 76%
CMY	0.0510, 0.0000, 0.2431
CMYK	0.05, 0.00, 0.24, 0.00
HSL	73°, 100%, 88%
HSV	73°, 24%, 100%
XYZ	82.0036, 94.2475, 64.3216
YIQ	244.0450, 12.1540, -22.0380

Conversions

Conversions Part 2

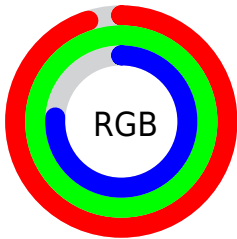
Format	Color
RYB	193, 255, 206
Decimal	15925185
CIELab	97.73, -14.23, 28.27
CIELCh	98, 31.653, 116.713
Yxy	94.2475, 0.3409, 0.3918
Android (android.graphics.Color)	4294115265 (0xFFFF2FFC1)
YUV	244.0450, -25.1652, -1.7935
Hunter-Lab	97.0812, -19.1146, 28.6739

Details

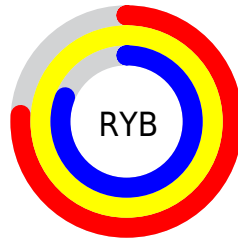
The XYZ color **82.0036, 94.2475, 64.3216** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.5745, 58.4830, 102.5981**, and the grayscale version is **86.2125, 90.7023, 98.7748**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **44.8619, 52.5665, 32.2080** is the 20% darker color. If you saturate the color by 10%, you get **77.5912, 92.2737, 50.5242**, and if you desaturate by 10%, it is **86.9611, 96.4457, 80.7073**.

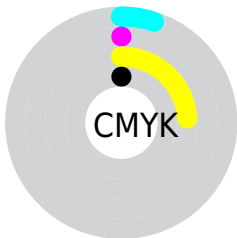
Distribution



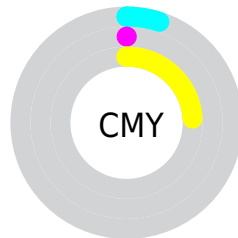
- Red (95%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (81%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.0036, 94.2475, 64.3216 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 82.0036, 94.2475, 64.3216 by changing the saturation by 10% instead.


 82.0036, 94.2475,
64.3216

 82.0036, 94.2475,
64.3216


490.2941,
541.7531, 458.5894

 61.6826, 71.5088,
46.4634


 135.1148,
153.2246, 112.6779

 45.0309, 52.7575,
32.2603


168.6358,
190.2318, 144.0130

 31.6832, 37.6093,
21.2939


207.2875,
232.7640, 180.6775

 21.2740, 25.6796,
13.1457

251.4353,
281.2055, 223.0899

 13.4380, 16.5841,
7.3970

301.4444,
335.9408, 271.6687

 7.8099, 9.9384,
3.6294

357.6804,

 4.0243, 5.3581,

397.3542, 326.8326

1.4243

420.5085,
465.8302, 388.9999

■ 1.7159, 2.4589,
0.1606

■ 0.4662, 0.8559,
0.0000

■ 82.0036, 94.2475,
64.3216

■ 82.0036, 94.2475,
64.3216

■ 77.5912, 92.2737,
50.5242

■ 86.9611, 96.4457,
80.7073

■ 73.6969, 90.5132,
39.1786

■ 92.4862, 98.8771,
99.8004

■ 70.2934, 88.9551,
30.1418

95.0500, 100.0000,
108.9000

■ 67.3498, 87.5870,
23.2543

■ 64.8316, 86.3951,
18.3366

■ 62.6987, 85.3632,
15.1799

■ 60.9021, 84.4717,
13.5283

■ 59.9909, 84.0115,
13.0540

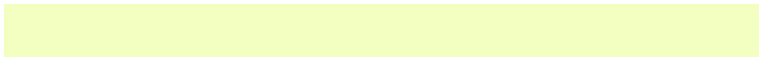
Harmonies

Analogous

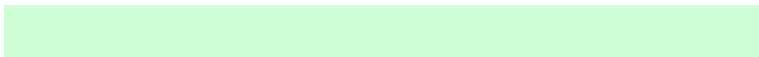
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5781, 94.2475, 60.5722



82.0036, 94.2475, 64.3216



75.8432, 94.2475, 77.6900

Triad

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



82.0036, 94.2475, 64.3216



80.3894, 94.2475, 150.0186



108.0436, 94.2475, 105.4957

Complementary

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



82.0036, 94.2475, 64.3216



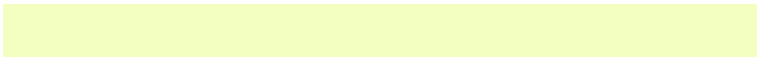
62.5745, 58.4830, 102.5981

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.



104.8815, 94.2475, 132.3818



82.0036, 94.2475, 64.3216



88.5881, 94.2475, 160.6577

Square

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



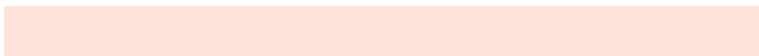
82.0036, 94.2475, 64.3216



74.9561, 94.2475, 126.6183



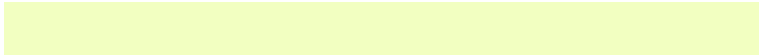
97.6080, 94.2475, 153.7192



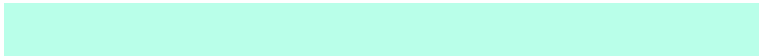
105.9907, 94.2475, 81.8625

Rectangle

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



82.0036, 94.2475, 64.3216



73.7309, 94.2475, 91.6163



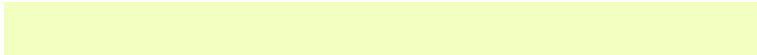
97.6080, 94.2475, 153.7192



107.5504, 94.2475, 114.4702

Sweetspot

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



82.0041, 94.2477, 64.3230



90.9444, 98.2002, 94.3970



72.7935, 68.9655, 59.9284



19.3930, 20.9869, 19.9510



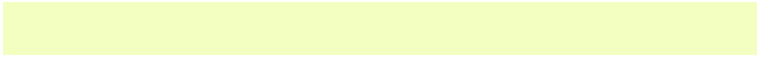
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

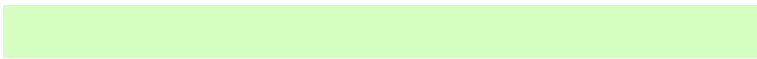
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0041, 94.2477, 64.3230



79.8694, 93.2952, 57.5412



72.4225, 89.3083, 63.8745



19.1664, 20.8872, 19.1658



31.4757, 43.9644, 6.8270



3.1537, 4.3266, 0.6689

Inverse Universe

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



62.5745, 58.4830, 102.5981



57.4937, 52.0985, 101.6335



71.8457, 63.2625, 103.0319



17.3588, 17.5612, 22.7247



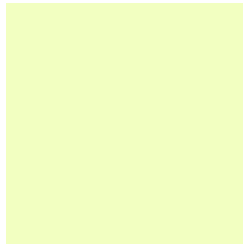
10.3105, 4.2257, 49.7068



1.0898, 0.4557, 4.8438

Previews

White Background



This preview shows how the XYZ color 82.0036, 94.2475, 64.3216 looks on a white background.

Color Contrast Check

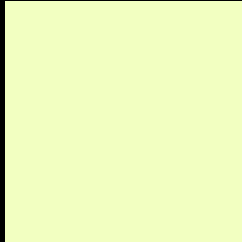
Large Text (above 18pt) WCAG AA × Fail

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 82.0036, 94.2475, 64.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

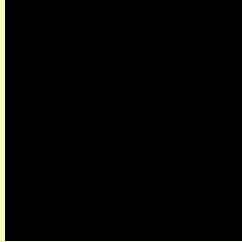
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.0036, 94.2475, 64.3216

Background



This preview shows how black text looks on a background with the XYZ color 82.0036, 94.2475, 64.3216.

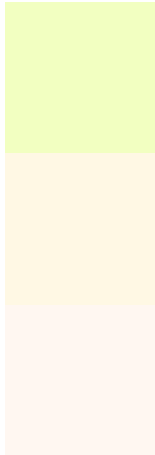


This preview shows how white text looks on a background with the XYZ color 82.0036, 94.2475,

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

82.0036, 94.2475, 64.3216

Protanopia

88.8110, 93.9962, 86.8610

Deuteranopia

90.3779, 94.1324, 96.6250

Tritanopia

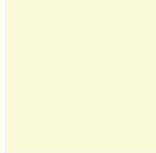
90.7351, 94.0655, 107.9820

Trichromacy



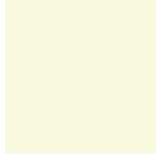
Original Color

82.0036, 94.2475, 64.3216



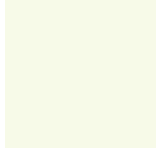
Protanomaly

86.1873, 94.2247, 77.9346



Deuteranomaly

87.0645, 94.0770, 84.0909



Tritanomaly

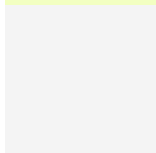
87.1089, 93.9716, 89.8911

Monochromacy



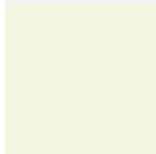
Original Color

82.0036, 94.2475, 64.3216



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.1202, 91.6257, 84.4861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0036, 94.2475, 64.3216 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(242, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 193)  
}
```

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(242, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 82.0036, 94.2475, 64.3216 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(242, 255, 193) }
```


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

```
.border{ border-color:rgb(242, 255, 193) }
```

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

Here you see how a box with a 4 pixel rgb(242, 255, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0036, 94.2475, 64.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 193) }
```

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

```
.background{ background-color: rgb(242,  
255, 193) }
```

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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