

Converting Colors

XYZ(89.9120, 94.3466, 54.9552)

Have a look what the booklet for
XYZ(89.9120, 94.3466, 54.9552)
contains.

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Color

**XYZ(82.1316, 90.3459,
54.7047)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6B1
RGB	255, 246, 177
RGB Percent	100%, 96%, 69%
CMY	0.0000, 0.0353, 0.3059
CMYK	0.00, 0.04, 0.31, 0.00
HSL	53°, 100%, 85%
HSV	53°, 31%, 100%
XYZ	82.1316, 90.3459, 54.7047
YIQ	240.8250, 27.5130, -19.5510

Conversions

Conversions Part 2

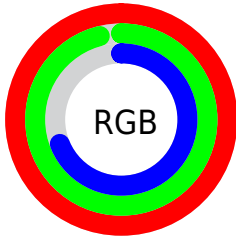
Format	Color
RYB	187, 255, 177
Decimal	16774833
CIELab	96.14, -7.12, 34.35
CIELCh	96, 35.080, 101.712
Yxy	90.3459, 0.3615, 0.3977
Android (android.graphics.Color)	4294964913 (0xFFFFF6B1)
YUV	240.8250, -31.4657, 12.4315
Hunter-Lab	95.0505, -12.0993, 32.4120

Details

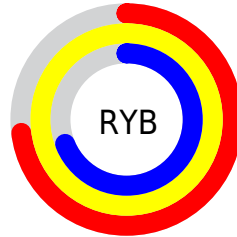
The XYZ color **82.1316, 90.3459, 54.7047** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.7400, 51.6834, 101.7512**, and the grayscale version is **83.6979, 88.0568, 95.8938**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **45.0775, 50.1525, 26.3733** is the 20% darker color. If you saturate the color by 10%, you get **78.9373, 87.6516, 42.2505**, and if you desaturate by 10%, it is **85.8195, 93.2666, 69.6686**.

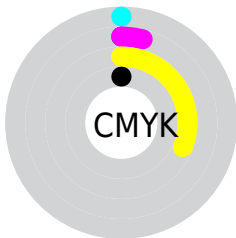
Distribution



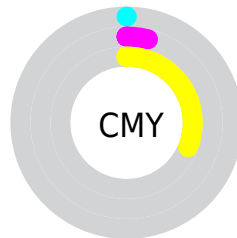
- Red (100%)
- Green (96%)
- Blue (69%)



- Red (73%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (4%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.1316, 90.3459, 54.7047 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 82.1316, 90.3459, 54.7047 by changing the saturation by 10% instead.


 82.1316, 90.3459,
54.7047

 82.1316, 90.3459,
54.7047


490.7156,
529.1554, 422.0419

 61.7885, 68.2676,
38.7683


 135.2934,
147.8188, 98.5750

 45.1168, 50.1154,
26.2731


168.8428,
183.9821, 127.3460

 31.7511, 35.5051,
16.8005

207.5250,
225.6092, 161.2322

 21.3261, 24.0522,
9.9319

251.7054,
273.0845, 200.6524

 13.4764, 15.3724,
5.2488

301.7493,
326.7924, 246.0248

 7.8366, 9.0811,
2.3327

358.0220,

 4.0415, 4.7942,

387.1172, 297.7682

0.7494

420.8890,
454.4434, 356.3011

■ 1.7257, 2.1270,
0.0000

■ 0.4722, 0.6797,
0.0000

■ 82.1316, 90.3459,
54.7047

■ 82.1316, 90.3459,
54.7047

■ 78.9373, 87.6516,
42.2505

■ 85.8195, 93.2666,
69.6686

■ 76.2033, 85.1609,
32.1608

■ 90.0189, 96.4115,
87.2653

■ 73.9027, 82.8659,
24.2841

94.7547, 99.7938,
107.6167

■ 72.0029, 80.7536,
18.4491

95.0500, 100.0000,
108.9000

■ 70.4665, 78.8089,
14.4593

■ 69.2488, 77.0139,
12.0796

■ 68.3270, 75.4341,
10.9590

Harmonies

Analogous

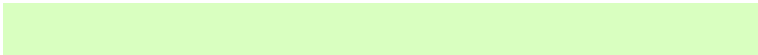
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8725, 90.3459, 55.7868



82.1316, 90.3459, 54.7047



74.0220, 90.3459, 63.5697

Triad

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



82.1316, 90.3459, 54.7047



72.6569, 90.3459, 138.4731



104.8742, 90.3459, 116.1482

Complementary

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



82.1316, 90.3459, 54.7047



53.7400, 51.6834, 101.7512

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.



98.9216, 90.3459, 144.0004



82.1316, 90.3459, 54.7047



80.1369, 90.3459, 158.4723

Square

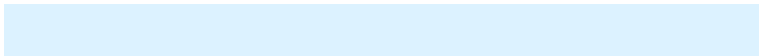
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1316, 90.3459, 54.7047



68.8343, 90.3459, 109.6454



89.7224, 90.3459, 160.6671



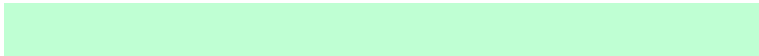
105.5097, 90.3459, 87.8978

Rectangle

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



82.1316, 90.3459, 54.7047



70.4374, 90.3459, 75.1156



89.7224, 90.3459, 160.6671



103.4090, 90.3459, 125.9908

Sweetspot

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



82.1338, 90.3500, 54.7066



90.7342, 96.9323, 90.3088



65.8364, 56.2547, 53.8996



19.2804, 20.6453, 18.7321



0.0000, 0.0000, 0.0000



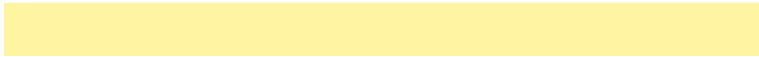
20.3446, 21.4041, 23.3091

Same Dimension

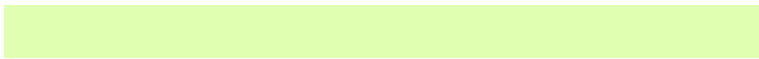
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1338, 90.3500, 54.7066



80.0293, 88.5951, 46.4392



74.7789, 90.7182, 55.1653



19.3719, 20.7119, 19.1211



35.7736, 39.5585, 5.7501



3.5317, 3.9488, 0.5761

Inverse Universe

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



53.7400, 51.6834, 101.7512



47.3405, 44.0868, 100.6222



59.4772, 51.9164, 101.4938



17.1716, 17.7149, 22.7642



9.7194, 4.3484, 49.7616



0.9981, 0.5269, 4.8624

Previews

White Background



This preview shows how the XYZ color 82.1316, 90.3459, 54.7047 looks on a white background.

Color Contrast Check

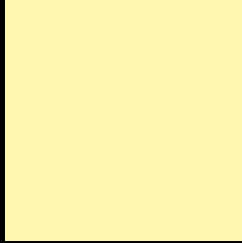
Large Text (above 18pt) WCAG AA × Fail

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 82.1316, 90.3459, 54.7047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

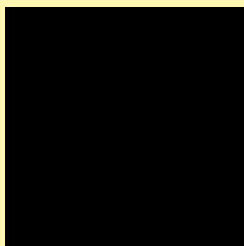
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.1316, 90.3459, 54.7047

Background



This preview shows how black text looks on a background with the XYZ color 82.1316, 90.3459, 54.7047.

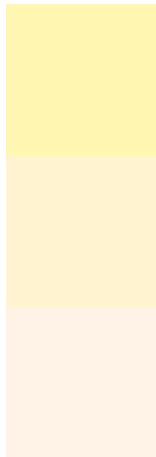


This preview shows how white text looks on a background with the XYZ color 82.1316, 90.3459,

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

82.1316, 90.3459, 54.7047

Protanopia

84.8532, 90.4664, 72.0210

Deuteranopia

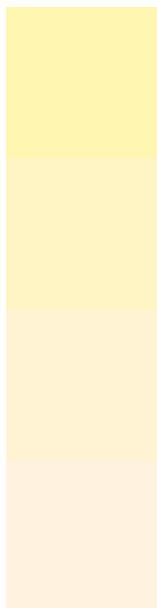
87.4159, 90.5338, 88.4688



Tritanopia

89.6554, 90.4823, 103.1820

Trichromacy



Original Color

82.1316, 90.3459, 54.7047

Protanomaly

83.8562, 90.5503, 65.2828

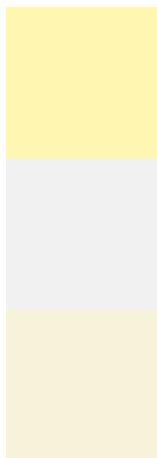
Deuteranomaly

85.0485, 90.0643, 74.5296

Tritanomaly

86.3114, 90.0920, 82.6524

Monochromacy



Original Color

82.1316, 90.3459, 54.7047

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.7115, 88.7560, 79.1019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1316, 90.3459, 54.7047 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 177) }
```

Border

The CSS property to change the border of an element to XYZ 82.1316, 90.3459, 54.7047 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, 177) }
```


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

```
.border{ border-color:rgb(255, 246, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1316, 90.3459, 54.7047 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
246, 177) }
```

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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