

Converting Colors

XYZ(93.6576, 99.8741, 49.1806)

Have a look what the booklet for
XYZ(93.6576, 99.8741, 49.1806)
contains.

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Color

**XYZ(82.9761, 94.1549,
48.4507)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFDA3
RGB	255, 253, 163
RGB Percent	100%, 99%, 64%
CMY	0.0000, 0.0078, 0.3608
CMYK	0.00, 0.01, 0.36, 0.00
HSL	59°, 100%, 82%
HSV	59°, 36%, 100%
XYZ	82.9761, 94.1549, 48.4507
YIQ	243.3380, 30.0820, -27.5660

Conversions

Conversions Part 2

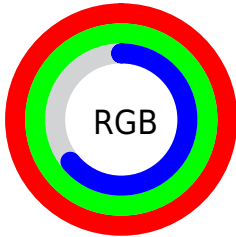
Format	Color
RYB	165, 255, 163
Decimal	16776611
CIELab	97.69, -12.19, 43.33
CIELCh	98, 45.018, 105.716
Yxy	94.1549, 0.3678, 0.4174
Android (android.graphics.Color)	4294966691 (0xFFFFFDA3)
YUV	243.3380, -39.6066, 10.2276
Hunter-Lab	97.0334, -17.1680, 38.3188

Details

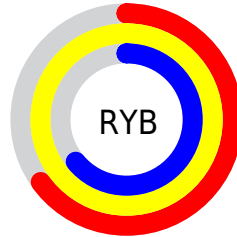
The XYZ color **82.9761, 94.1549, 48.4507** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.6092, 41.9156, 100.2416**, and the grayscale version is **85.7516, 90.2174, 98.2467**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **45.5804, 52.4760, 22.4784** is the 20% darker color. If you saturate the color by 10%, you get **80.7447, 92.9870, 37.5490**, and if you desaturate by 10%, it is **85.6734, 95.5167, 61.7826**.

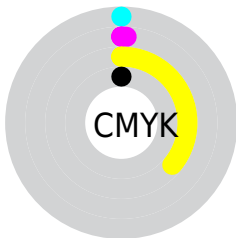
Distribution



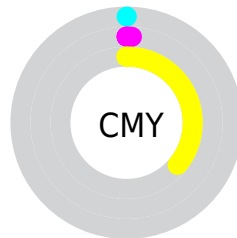
- Red (100%)
- Green (99%)
- Blue (64%)



- Red (65%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9761, 94.1549, 48.4507 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 82.9761, 94.1549, 48.4507 by changing the saturation by 10% instead.


 82.9761, 94.1549,
48.4507


 82.9761, 94.1549,
48.4507


493.4920,
541.4559, 397.1359

 62.4873, 71.4318,
33.8214


 136.4707,
153.0965, 89.2476

 45.6836, 52.6947,
22.4802


 170.2072,
190.0839, 116.2523

 32.1998, 37.5591,
14.0085


209.0902,
232.5948, 148.2192

 21.6705, 25.6406,
7.9877

253.4853,
281.0136, 185.5669

 13.7302, 16.5550,
3.9994

303.7576,
335.7247, 228.7138

 8.0137, 9.9177,
1.6250

360.2726,

 4.1556, 5.3444,

397.1125, 278.0787

0.3086

423.3956,
465.5615, 334.0798

■ 1.7905, 2.4507,
0.0000

■ 0.5120, 0.8518,
0.0000

■ 82.9761, 94.1549,
48.4507

■ 82.9761, 94.1549,
48.4507

■ 80.7447, 92.9870,
37.5490

■ 85.6734, 95.5167,
61.7826

■ 78.9443, 91.9889,
28.9248

■ 88.8551, 97.0697,
77.6732

■ 77.5464, 91.1527,
22.4178

■ 92.5473, 98.8276,
96.2491

■ 76.5160, 90.4643,
17.8438

95.0500, 100.0000,
108.9000

■ 75.8124, 89.9074,
14.9876

■ 75.3846, 89.4616,
13.5819

■ 75.2626, 89.3053,
13.2709

Harmonies

Analogous

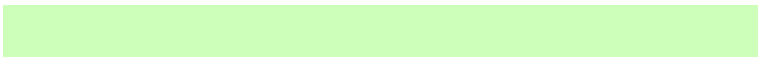
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7155, 94.1549, 48.1742



82.9761, 94.1549, 48.4507



72.9716, 94.1549, 60.6875

Triad

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



82.9761, 94.1549, 48.4507



73.3524, 94.1549, 161.8511



115.5821, 94.1549, 120.9521

Complementary

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



82.9761, 94.1549, 48.4507



46.6092, 41.9156, 100.2416

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.



108.3334, 94.1549, 160.1655



82.9761, 94.1549, 48.4507



83.5432, 94.1549, 187.3298

Square

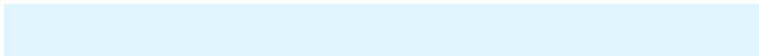
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9761, 94.1549, 48.4507



67.7883, 94.1549, 122.8649



96.3391, 94.1549, 186.6481



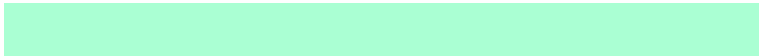
115.3931, 94.1549, 84.5526

Rectangle

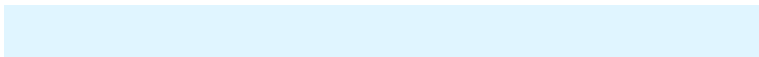
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9761, 94.1549, 48.4507



68.8410, 94.1549, 76.1276



96.3391, 94.1549, 186.6481



113.9065, 94.1549, 134.3969

Sweetspot

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



82.9784, 94.1592, 48.4527



90.6647, 97.9361, 86.7619



61.2269, 50.2110, 42.5744



19.2998, 20.9117, 18.0364



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

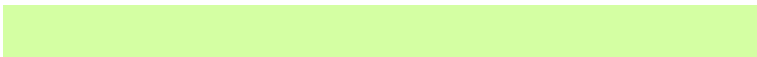
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9784, 94.1592, 48.4527



81.3846, 93.3287, 40.6546



69.5420, 88.1715, 48.0051



19.5255, 21.0192, 19.1723



39.3417, 46.6946, 6.9394



3.8409, 4.5671, 0.6791

Inverse Universe

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



46.6092, 41.9156, 100.2416



40.3358, 34.3655, 99.1150



56.5831, 46.5278, 100.6062



17.0346, 17.4407, 22.7185



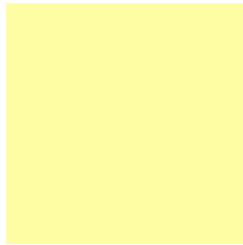
9.4765, 3.8626, 49.6807



0.9333, 0.3973, 4.8408

Previews

White Background



This preview shows how the XYZ color 82.9761, 94.1549, 48.4507 looks on a white background.

Color Contrast Check

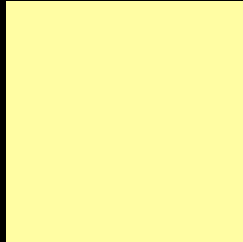
Large Text (above 18pt) WCAG AA × Fail

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 82.9761, 94.1549, 48.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

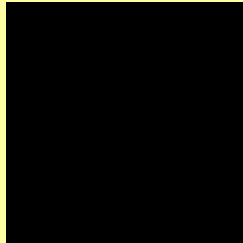
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.9761, 94.1549, 48.4507

Background



This preview shows how black text looks on a background with the XYZ color 82.9761, 94.1549, 48.4507.

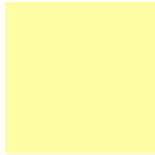


This preview shows how white text looks on a background with the XYZ color 82.9761, 94.1549,

Color Blindness Simulation

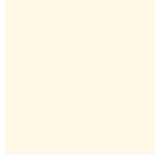
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



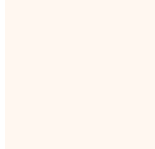
Original Color

82.9761, 94.1549, 48.4507



Protanopia

88.5349, 93.8858, 85.4070



Deuteranopia

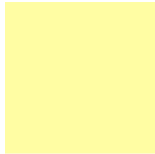
90.2289, 94.0728, 95.8404



Tritanopia

91.9254, 94.2634, 106.2782

Trichromacy



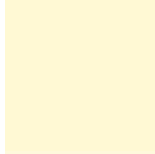
Original Color

82.9761, 94.1549, 48.4507



Protanomaly

86.2051, 93.9430, 70.0892



Deuteranomaly

86.9993, 93.7648, 75.8004



Tritanomaly

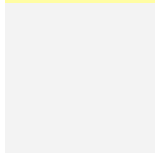
88.0339, 94.1787, 81.2486

Monochromacy



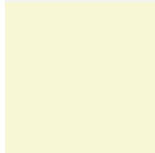
Original Color

82.9761, 94.1549, 48.4507



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.7561, 91.1507, 76.7978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9761, 94.1549, 48.4507 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, 253, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 163)  
}
```

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, 253, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 163) }
```

Border

The CSS property to change the border of an element to XYZ 82.9761, 94.1549, 48.4507 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, 253, 163) }
```


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

```
.border{ border-color:rgb(255, 253, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 253, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9761, 94.1549, 48.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 163) }
```

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

```
.background{ background-color: rgb(255,  
253, 163) }
```

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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