

Converting Colors

XYZ(184.4185, 178.2354,
55.8647)

Have a look what the booklet for
XYZ(184.4185, 178.2354, 55.8647)
contains.

XYZ(82.9164, 95.1466, 45.0053)	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(82.9164, 95.1466,
45.0053)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF9B
RGB	255, 255, 155
RGB Percent	100%, 100%, 61%
CMY	0.0000, 0.0000, 0.3921
CMYK	0.00, 0.00, 0.39, 0.00
HSL	60°, 100%, 80%
HSV	60°, 39%, 100%
XYZ	82.9164, 95.1466, 45.0053
YIQ	243.6000, 32.1000, -31.1000

Conversions

Conversions Part 2

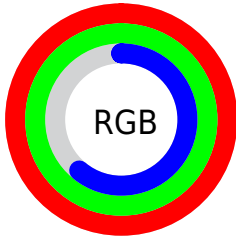
Format	Color
R_{YB}	155, 255, 155
Decimal	16777115
CIE _{Lab}	98.09, -14.02, 47.73
CIE _{LCh}	98, 49.747, 106.373
Yxy	95.1466, 0.3717, 0.4265
Android (android.graphics.Color)	4294967195 (0xFFFFFFFF9B)
YUV	243.6000, -43.6798, 9.9978
Hunter-Lab	97.5431, -18.9668, 40.9244

Details

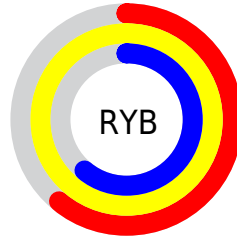
The XYZ color **82.9164, 95.1466, 45.0053** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.2900, 37.6325, 99.5899**, and the grayscale version is **85.9883, 90.4664, 98.5179**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **45.6183, 53.2178, 20.4381** is the 20% darker color. If you saturate the color by 10%, you get **80.9959, 94.3784, 34.8925**, and if you desaturate by 10%, it is **85.2895, 96.0958, 57.5022**.

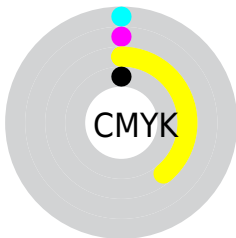
Distribution



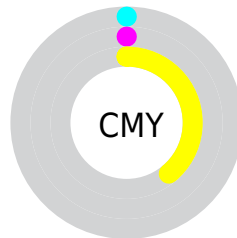
- Red (100%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9164, 95.1466, 45.0053 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 82.9164, 95.1466, 45.0053 by changing the saturation by 10% instead.

 82.9164, 95.1466,
45.0053


 82.9164, 95.1466,
45.0053


493.2960,
544.6342, 382.9558

 62.4379, 72.2570,
31.1186


 136.3875,
154.4671, 84.0469

 45.6435, 53.3686,
20.4300


 170.1108,
191.6668, 110.0389

 32.1681, 38.0971,
12.5208


208.9797,
234.4054, 140.9031

 21.6461, 26.0581,
6.9726

253.3596,
283.0671, 177.0580

 13.7122, 16.8671,
3.3668

303.6158,
338.0365, 218.9222

 8.0011, 10.1398,
1.2848

360.1137,

 4.1475, 5.4917,

399.6978, 266.9142

0.0493

423.2186,
468.4356, 321.4525

■ 1.7859, 2.5386,
0.0000

■ 0.5092, 0.8959,
0.0000

■ 82.9164, 95.1466,
45.0053

■ 82.9164, 95.1466,
45.0053

■ 80.9959, 94.3784,
34.8925

■ 85.2895, 96.0958,
57.5022

■ 79.4988, 93.7795,
27.0087

■ 88.1409, 97.2364,
72.5173

■ 78.3932, 93.3373,
21.1867

■ 91.4949, 98.5780,
90.1794

■ 77.6426, 93.0370,
17.2342

95.0500, 100.0000,
108.9000

■ 77.2036, 92.8614,
14.9227

■ 77.0109, 92.7843,
13.9078

■ 76.9999, 92.7799,
13.8500

Harmonies

Analogous

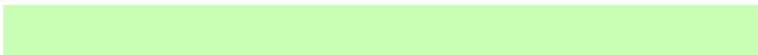
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.0553, 95.1466, 44.4486



82.9164, 95.1466, 45.0053



71.9878, 95.1466, 58.2806

Triad

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



82.9164, 95.1466, 45.0053



72.7893, 95.1466, 171.5411



119.8136, 95.1466, 123.2419

Complementary

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



82.9164, 95.1466, 45.0053



43.2900, 37.6325, 99.5899

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.



111.7894, 95.1466, 167.8412



82.9164, 95.1466, 45.0053



84.1209, 95.1466, 200.2955

Square

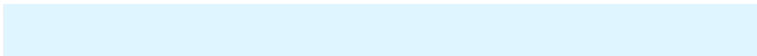
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9164, 95.1466, 45.0053



66.5756, 95.1466, 127.3710



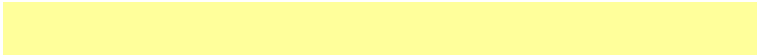
98.3928, 95.1466, 198.7867



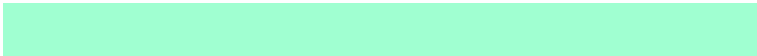
119.4035, 95.1466, 82.9848

Rectangle

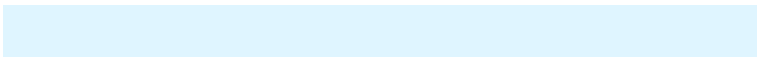
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9164, 95.1466, 45.0053



67.5487, 95.1466, 75.1824



98.3928, 95.1466, 198.7867



117.9798, 95.1466, 138.4002

Sweetspot

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



82.9166, 95.1466, 45.0066



90.5089, 98.1835, 84.9868



58.8785, 47.0703, 36.9938



19.2766, 20.9769, 17.6851



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

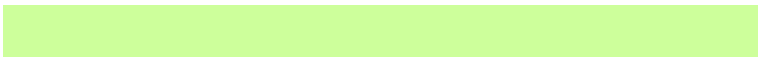
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9166, 95.1466, 45.0066



81.3837, 94.5335, 36.9345



66.8539, 86.8660, 44.2548



19.5613, 21.0908, 19.1843



40.2341, 48.4795, 7.2369



3.9175, 4.7203, 0.7046

Inverse Universe

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



43.2900, 37.6325, 99.5899



36.7508, 29.7532, 98.4137



54.9491, 43.6430, 100.1355



17.0031, 17.3778, 22.7080



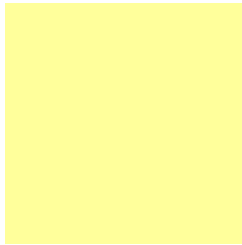
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 82.9164, 95.1466, 45.0053 looks on a white background.

Color Contrast Check

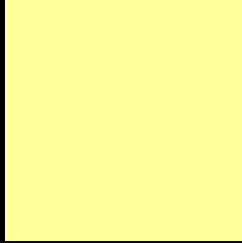
Large Text (above 18pt) WCAG AA × Fail

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 82.9164, 95.1466, 45.0053 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 82.9164, 95.1466, 45.0053

Background



This preview shows how black text looks on a background with the XYZ color 82.9164, 95.1466, 45.0053.



This preview shows how white text looks on a background with the XYZ color 82.9164, 95.1466,

45.0053.

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

82.9164, 95.1466, 45.0053

Protanopia

89.5395, 94.7809, 89.1766

Deuteranopia

90.8344, 94.8056, 97.5162

Tritanopia

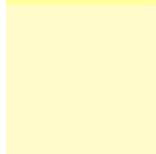
92.2304, 94.8734, 106.3798

Trichromacy



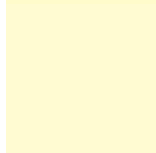
Original Color

82.9164, 95.1466, 45.0053



Protanomaly

86.5167, 94.5662, 70.1931



Deuteranomaly

87.3700, 94.9075, 74.6869



Tritanomaly

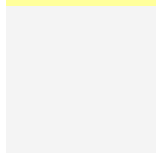
87.9500, 94.6410, 79.2777

Monochromacy



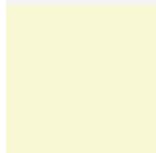
Original Color

82.9164, 95.1466, 45.0053



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.1625, 91.8447, 75.5793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9164, 95.1466, 45.0053 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, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 155)  
}
```

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, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 155) }
```

Border

The CSS property to change the border of an element to XYZ 82.9164, 95.1466, 45.0053 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, 255, 155) }
```


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

```
.border{ border-color:rgb(255, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 255, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 255, 155); box-shadow:4px 4px 4px 4px rgb(255, 255, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9164, 95.1466, 45.0053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 155) }
```

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

```
.background{ background-color: rgb(255,  
255, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor