

# Converting Colors

XYZ(90.0385, 104.0333,  
25.9854)

Have a look what the booklet for  
XYZ(90.0385, 104.0333, 25.9854)  
contains.

|  |    |
|--|----|
| <b>XYZ(79.0204, 93.5882, 24.4892)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# **Color**

**XYZ(79.0204, 93.5882,  
24.4892)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFFF5E                      |
| RGB         | 255, 255, 94                |
| RGB Percent | 100%, 100%, 37%             |
| CMY         | 0.0000, 0.0000, 0.6314      |
| CMYK        | 0.00, 0.00, 0.63, 0.00      |
| HSL         | 60°, 100%, 68%              |
| HSV         | 60°, 63%, 100%              |
| XYZ         | 79.0204, 93.5882, 24.4892   |
| YIQ         | 236.6460, 51.6810, -50.0710 |

# Conversions

## Conversions Part 2

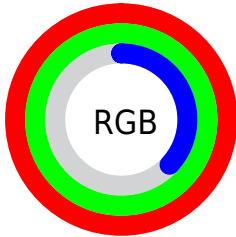
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 94, 255, 94                    |
| Decimal                             | 16777054                       |
| CIE Lab                             | 97.47, -18.93, 74.00           |
| CIE LCh                             | 97, 76.384, 104.346            |
| Yxy                                 | 93.5882, 0.4009,<br>0.4748     |
| Android<br>(android.graphics.Color) | 4294967134<br>(0xFFFFFFFF5E)   |
| YUV                                 | 236.6460, -70.3245,<br>16.0965 |
| Hunter-Lab                          | 96.7410, -23.4936,<br>52.7099  |

# Details

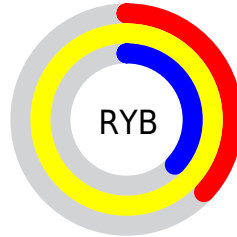
The XYZ color **79.0204, 93.5882, 24.4892** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.6699, 17.6063, 96.6004**, and the grayscale version is **80.7190, 84.9226, 92.4807**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **43.1509, 52.5377, 9.0289** is the 20% darker color. If you saturate the color by 10%, you get **78.0586, 93.2034, 19.4260**, and if you desaturate by 10%, it is **80.3600, 94.1240, 31.5446**.

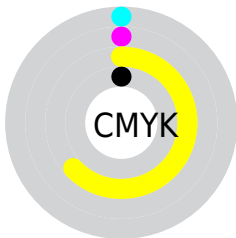
# Distribution



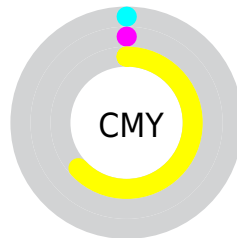
- Red (100%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0204, 93.5882, 24.4892 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 79.0204, 93.5882, 24.4892 by changing the saturation by 10% instead.




 79.0204, 93.5882,  
24.4892


 79.0204, 93.5882,  
24.4892


480.4123,  
539.6353, 288.6503


 59.2183, 70.9605,  
15.4814


 130.9454,  
152.3127, 51.7811


 43.0359, 52.3100,  
9.0075


 163.7989,  
189.1783, 70.9023

 30.1079, 37.2522,  
4.6492


 201.7336,  
231.5586, 94.2317

 20.0690, 25.4028,  
1.9878

 245.1149,  
279.8381, 122.1878

 12.5538, 16.3774,  
0.5478

294.3080,  
334.4011, 155.1891

 7.1969, 9.7916,  
0.0000

349.6784,

 3.6329, 5.2610,

395.6320, 193.6543

0.0000

411.5914,  
463.9153, 238.0018

■ 1.4967, 2.4012,  
0.0000

■ 0.3236, 0.8265,  
0.0000

■ 79.0204, 93.5882,  
24.4892

■ 79.0204, 93.5882,  
24.4892

■ 78.0586, 93.2034,  
19.4260

■ 80.3600, 94.1240,  
31.5446

■ 77.4358, 92.9543,  
16.1467

■ 82.1111, 94.8244,  
40.7654

■ 77.1048, 92.8219,  
14.4038

■ 84.3035, 95.7014,  
52.3102

■ 76.9996, 92.7798,  
13.8500

■ 86.9643, 96.7657,  
66.3218

90.1185, 98.0274,  
82.9315

93.7893, 99.4957,  
102.2612

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

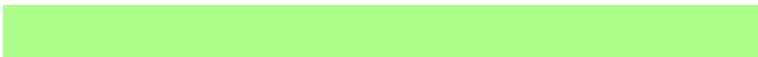
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



100.6792, 93.5882, 24.7628



79.0204, 93.5882, 24.4892



62.8849, 93.5882, 38.1577

# Triad

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



79.0204, 93.5882, 24.4892



62.3525, 93.5882, 210.1773



135.4229, 93.5882, 137.6214

# Complementary

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



79.0204, 93.5882, 24.4892



26.6699, 17.6063, 96.6004

# 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.



121.3814, 93.5882, 213.3148



79.0204, 93.5882, 24.4892



78.1741, 93.5882, 265.4648

# Square

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



79.0204, 93.5882, 24.4892



54.3759, 93.5882, 134.4305



99.6844, 93.5882, 266.8023



135.7490, 93.5882, 75.0953



# Rectangle

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



79.0204, 93.5882, 24.4892



56.4242, 93.5882, 58.4684



99.6844, 93.5882, 266.8023



132.0599, 93.5882, 162.8057

# Sweetspot

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



79.0204, 93.5881, 24.4904



88.2075, 97.2630, 72.8680



47.2638, 30.0746, 13.9048



18.6940, 20.7439, 14.6173



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.



79.0204, 93.5881, 24.4904



77.8474, 93.1189, 18.3139



55.3484, 81.3848, 23.3826



19.5613, 21.0908, 19.1843



40.2340, 48.4794, 7.2369



3.9174, 4.7203, 0.7046



# Inverse Universe

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



26.6699, 17.6063, 96.6004



21.6663, 11.5774, 95.7005



39.6209, 24.2828, 97.2065



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

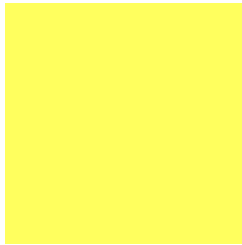


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 79.0204, 93.5882, 24.4892 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

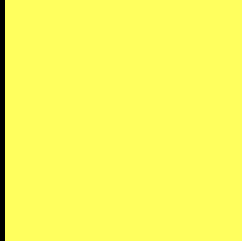
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0204, 93.5882, 24.4892 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 79.0204, 93.5882, 24.4892**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.0204, 93.5882, 24.4892.



This preview shows how white text looks on a background with the XYZ color 79.0204, 93.5882,



# Color Blindness Simulation

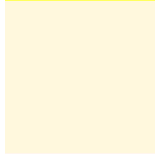
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



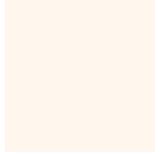
### Original Color

79.0204, 93.5882, 24.4892



### Protanopia

87.8585, 93.6153, 81.8455



### Deuteranopia

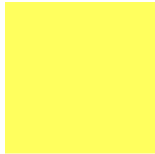
89.4818, 93.2860, 93.4106



## Tritanopia

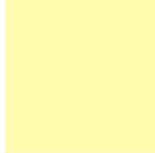
91.3050, 93.5299, 104.5076

# Trichromacy



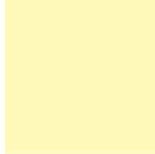
## Original Color

79.0204, 93.5882, 24.4892



## Protanomaly

83.4750, 93.3495, 54.1761



## Deuteranomaly

83.8726, 92.5141, 59.3354



## Tritanomaly

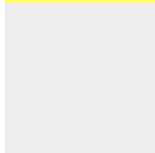
84.8533, 92.9064, 64.4994

# Monochromacy



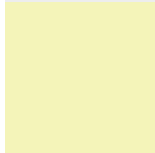
## Original Color

79.0204, 93.5882, 24.4892



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.4159, 87.4372, 58.6431

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0204, 93.5882, 24.4892 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0204, 93.5882, 24.4892 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, 94) }
```



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

```
.border{ border-color:rgb(255, 255, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0204, 93.5882, 24.4892 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, 94) }
```

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

```
.background{ background-color: rgb(255,  
255, 94) }
```

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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