

# Converting Colors

XYZ(75.1127, 89.3983, 26.3523)

Have a look what the booklet for  
XYZ(75.1127, 89.3983, 26.3523)  
contains.

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# Color

**XYZ(75.0421, 89.1448,  
26.3482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FA68
RGB	247, 250, 104
RGB Percent	97%, 98%, 41%
CMY	0.0314, 0.0196, 0.5921
CMYK	0.01, 0.00, 0.58, 0.02
HSL	61°, 94%, 69%
HSV	61°, 58%, 98%
XYZ	75.0421, 89.1448, 26.3482
YIQ	232.4590, 45.0780, -46.0420

# Conversions

## Conversions Part 2

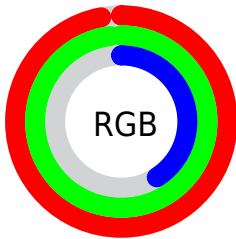
Format	Color
<a href="#">RYB</a>	<a href="#">104, 250, 107</a>
Decimal	<a href="#">16251496</a>
CIELab	<a href="#">95.64, -19.09, 67.85</a>
CIELCh	<a href="#">96, 70.486, 105.711</a>
Yxy	<a href="#">89.1448, 0.3938, 0.4679</a>
Android (android.graphics.Color)	<a href="#">4294441576</a> ( <a href="#">0xFFFF7FA68</a> )
YUV	<a href="#">232.4590, -63.3303, 12.7525</a>
Hunter-Lab	<a href="#">94.4165, -23.3574, 49.5459</a>

# Details

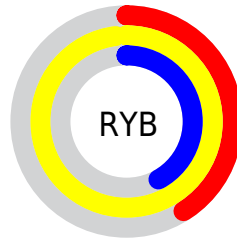
The XYZ color **75.0421, 89.1448, 26.3482** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.2718, 19.9305, 92.8047**, and the grayscale version is **77.4844, 81.5197, 88.7749**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **40.5240, 49.4722, 9.9980** is the 20% darker color. If you saturate the color by 10%, you get **73.7754, 88.6204, 20.6149**, and if you desaturate by 10%, it is **76.6899, 89.8282, 34.0672**.

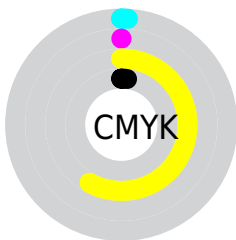
# Distribution



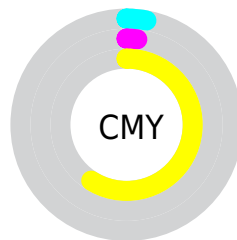
- Red (97%)
- Green (98%)
- Blue (41%)



- Red (41%)
- Yellow (98%)
- Blue (42%)



- Cyan (1%)
- Magenta (0%)
- Yellow (58%)
- Black (2%)



- Cyan (3%)
- Magenta (2%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0421, 89.1448, 26.3482 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 75.0421, 89.1448, 26.3482 by changing the saturation by 10% instead.



75.0421, 89.1448,  
26.3482

75.0421, 89.1448,  
26.3482

467.0572,  
525.2450, 298.1469

55.9417, 67.2716,  
16.8562

125.3595,  
146.1499, 54.8271

40.3930, 49.3054,  
9.9712

157.3073,  
182.0506, 74.6511

28.0307, 34.8618,  
5.2745

194.2682,  
223.3958, 98.7562

18.4893, 23.5564,  
2.3477

236.6075,  
270.5701, 127.5609

11.4037, 15.0049,  
0.7577

284.6908,  
323.9578, 161.4838

6.4083, 8.8228,  
0.0000

338.8832,

3.1379, 4.6258,

383.9432, 200.9434

0.0000

399.5503,  
450.9108, 246.3583

■ 1.2271, 2.0294,  
0.0000

■ 0.1276, 0.6245,  
0.0000

■ 75.0421, 89.1448,  
26.3482

■ 75.0421, 89.1448,  
26.3482

■ 73.7754, 88.6204,  
20.6149

■ 76.6899, 89.8282,  
34.0672

■ 72.8490, 88.2290,  
16.6807


■ 78.7427, 90.6704,  
43.9252


■ 72.2246, 87.9584,  
14.3336

■ 81.2296, 91.6863,  
56.0671

■ 71.8449, 87.7857,  
13.2726


■ 84.1755, 92.8858,  
70.6233


 71.7942, 87.7622,  
13.1558

 87.6034, 94.2782,  
87.7145

 91.5345, 95.8719,  
107.4535

 91.8787, 96.0310,  
108.3010

 92.0640, 96.1265,  
108.3097

 92.2499, 96.2223,  
108.3184

# Harmonies

## Analogous

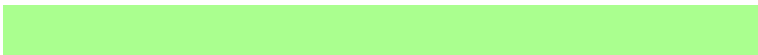
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2554, 89.1448, 26.0622



75.0421, 89.1448, 26.3482



60.7742, 89.1448, 40.0213

# Triad

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



75.0421, 89.1448, 26.3482



61.2991, 89.1448, 195.1498



126.1742, 89.1448, 125.8325

# Complementary

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



75.0421, 89.1448, 26.3482



28.2718, 19.9305, 92.8047

# 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.



114.2738, 89.1448, 192.1849



75.0421, 89.1448, 26.3482



75.8680, 89.1448, 241.4031

# Square

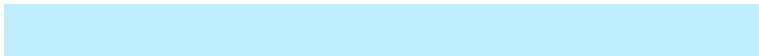
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0421, 89.1448, 26.3482



53.7040, 89.1448, 128.8952



95.2166, 89.1448, 240.1484



125.8627, 89.1448, 70.9580



# Rectangle

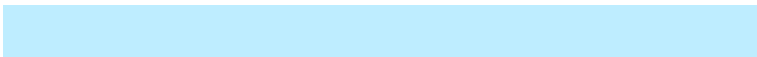
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0421, 89.1448, 26.3482



55.1218, 89.1448, 59.4765



95.2166, 89.1448, 240.1484



123.3990, 89.1448, 147.8645

# Sweetspot

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



75.0442, 89.1489, 26.3500



88.1741, 97.2096, 74.5026



47.1248, 31.7233, 16.7373



18.6687, 20.7238, 14.9336



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.



75.0442, 89.1489, 26.3500



76.9824, 92.6182, 20.7487



54.2698, 78.4393, 25.3778



18.6900, 20.1715, 18.3708



38.0958, 46.5574, 6.9786



3.5393, 4.3177, 0.6469



# Inverse Universe

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



28.2718, 19.9305, 92.8047



23.9922, 14.1712, 96.0785



40.8991, 26.4401, 93.3956



16.3161, 16.6601, 21.7411



9.2014, 3.6862, 48.2001

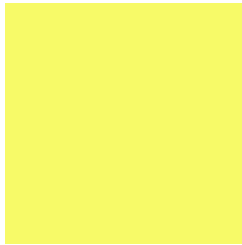


0.8635, 0.3472, 4.4647



# Previews

## White Background



This preview shows how the XYZ color 75.0421, 89.1448, 26.3482 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 75.0421, 89.1448, 26.3482 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 75.0421, 89.1448, 26.3482**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.0421, 89.1448, 26.3482.



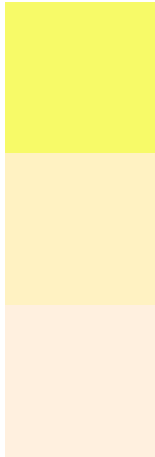
This preview shows how white text looks on a background with the XYZ color 75.0421, 89.1448,



# 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

75.0421, 89.1448, 26.3482

### Protanopia

82.7297, 88.6593, 63.7916

### Deuteranopia

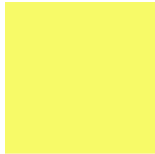
85.7194, 88.9079, 82.4551



## Tritanopia

88.6231, 88.6679, 102.0662

# Trichromacy



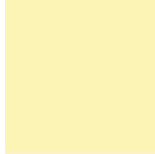
## Original Color

75.0421, 89.1448, 26.3482



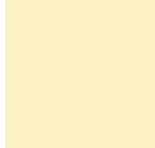
## Protanomaly

79.2303, 88.5735, 46.6387



## Deuteranomaly

80.7338, 88.6921, 56.0442



## Tritanomaly

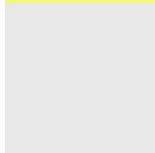
81.8608, 88.1852, 64.9315

# Monochromacy



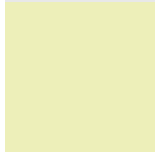
## Original Color

75.0421, 89.1448, 26.3482



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.5485, 83.2403, 58.0368

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0421, 89.1448, 26.3482 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(247, 250, 104)` looks like.

```
.text, #text, p{  
    color:rgb(247, 250, 104)  
}
```

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(247, 250, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 250, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0421, 89.1448, 26.3482 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(247, 250, 104) }
```



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

```
.border{ border-color:rgb(247, 250, 104) }
```

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

Here you see how a box with a 4 pixel rgb(247, 250, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 250, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 250, 104);  
box-shadow:4px 4px 4px 4px rgb(247, 250,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0421, 89.1448, 26.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 250, 104) }
```

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

```
.background{ background-color: rgb(247,  
250, 104) }
```

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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