

# Converting Colors

XYZ(43.6175, 60.8665, 37.3891)

Have a look what the booklet for  
XYZ(43.6175, 60.8665, 37.3891)  
contains.

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# Color

**XYZ(43.7656, 61.1165,  
37.5070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93DF94
RGB	147, 223, 148
RGB Percent	58%, 87%, 58%
CMY	0.4235, 0.1255, 0.4196
CMYK	0.34, 0.00, 0.34, 0.13
HSL	121°, 54%, 73%
HSV	121°, 34%, 87%
XYZ	43.7656, 61.1165, 37.5070
YIQ	191.7260, -21.2210, -39.4370

# Conversions

## Conversions Part 2

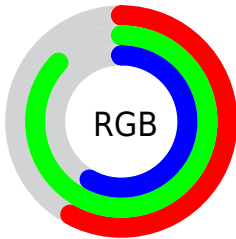
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 222, 223
Decimal	9691028
CIELab	82.44, -38.21, 29.53
CIELCh	82, 48.293, 142.308
Yxy	61.1165, 0.3074, 0.4292
Android (android.graphics.Color)	4287881108 (0xFF93DF94)
YUV	191.7260, -21.5569, -39.2247
Hunter-Lab	78.1770, -36.8807, 26.2784

# Details

The XYZ color **43.7656, 61.1165, 37.5070** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **54.0519, 41.8305, 74.3347**, and the grayscale version is **50.0750, 52.6828, 57.3716**.

A 20% lighter version of the original color is **71.1681, 88.5283, 69.8366**, and **20.4906, 30.8277, 16.1796** is the 20% darker color. If you saturate the color by 10%, you get **38.5683, 58.6215, 29.0195**, and if you desaturate by 10%, it is **50.0724, 64.1488, 47.7776**.

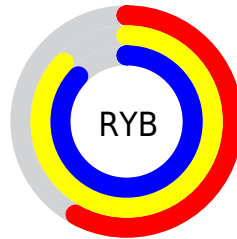
# Distribution



Red (58%)

Green (87%)

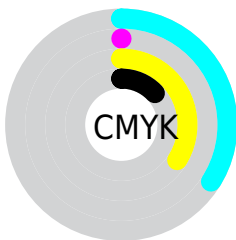
Blue (58%)



Red (58%)

Yellow (87%)

Blue (87%)

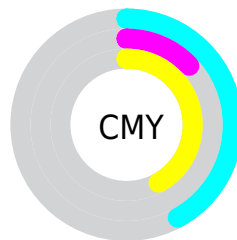


Cyan (34%)

Magenta (0%)

Yellow (34%)

Black (13%)



Cyan (42%)

Magenta (13%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7656, 61.1165, 37.5070 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 43.7656, 61.1165, 37.5070 by changing the saturation by 10% instead.



■ 43.7656, 61.1165,  
37.5070

■ 43.7656, 61.1165,  
37.5070

352.6193,  
428.7010, 350.7349

■ 30.6834, 44.3192,  
25.3014

■ 80.1134, 106.4476,  
72.5469

■ 20.5085, 30.9215,  
16.0807

■ 104.1098,  
135.7502, 96.2183

■ 12.8756, 20.5391,  
9.4263

132.4749,  
169.9900, 124.5487

■ 7.4194, 12.7875,  
4.9197

165.5741,  
209.5514, 157.9567

■ 3.7744, 7.2824,  
2.1423

203.7728,  
254.8188, 196.8607

■ 1.5753, 3.6393,  
0.6408

247.4363,

■ 0.3762, 1.4739,

306.1766, 241.6794

0.0000

296.9300,  
364.0092, 292.8313

■ 0.0000, 0.2703,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.7656, 61.1165,  
37.5070

■ 43.7656, 61.1165,  
37.5070

■ 38.5683, 58.6215,  
29.0195

■ 50.0724, 64.1488,  
47.7776

■ 34.4120, 56.6252,  
22.2099

■ 57.5426, 67.7388,  
59.9204

■ 31.2279, 55.0965,  
16.9680

■ 66.2324, 71.9154,  
74.0235

■ 28.9371, 53.9973,  
13.1690

■ 76.1929, 76.7032,  
90.1683

■ 27.4484, 53.2836,  
10.6692

■ 85.6789, 81.2577,  
105.7763

■ 26.6510, 52.9021,  
9.2952

■ 26.4050, 52.7842,  
8.8811

# Harmonies

## Analogous

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



50.8812, 61.1165, 26.6136



43.7656, 61.1165, 37.5070



40.5675, 61.1165, 59.2288

# Triad

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



43.7656, 61.1165, 37.5070



55.4750, 61.1165, 140.2020



78.4388, 61.1165, 47.2285

# Complementary

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



43.7656, 61.1165, 37.5070



54.0519, 41.8305, 74.3347

# 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.



80.0452, 61.1165, 74.4412



43.7656, 61.1165, 37.5070



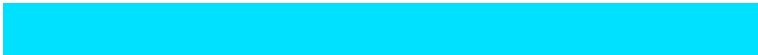
65.9482, 61.1165, 134.1442

# Square

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



43.7656, 61.1165, 37.5070



46.7870, 61.1165, 122.3744



75.2402, 61.1165, 107.6676



71.0795, 61.1165, 30.9574



# Rectangle

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



43.7656, 61.1165, 37.5070



40.7863, 61.1165, 79.4037



75.2402, 61.1165, 107.6676



79.7021, 61.1165, 55.1562

# Sweetspot

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



43.7672, 61.1191, 37.5084



82.4928, 93.9643, 88.5313



62.0882, 70.5730, 37.9538



17.3087, 19.9449, 18.3842



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

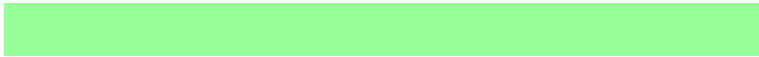


# Same Dimension

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



43.7672, 61.1191, 37.5084



54.0740, 80.3082, 42.2827



47.1789, 62.4838, 55.4745



13.5361, 15.3402, 14.5923



15.5282, 31.0361, 5.2387



1.0789, 2.1523, 0.3769



# Inverse Universe

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



54.0519, 41.8305, 74.3347



70.0473, 50.3482, 99.4756



49.6239, 40.0594, 51.0172



14.2868, 13.9324, 17.2807



25.4973, 12.2659, 40.8802

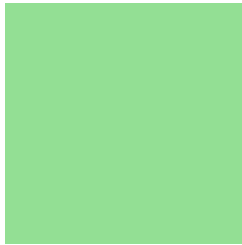


1.7699, 0.8512, 2.8470



# Previews

## White Background



This preview shows how the XYZ color 43.7656, 61.1165, 37.5070 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 43.7656, 61.1165, 37.5070 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 43.7656, 61.1165, 37.5070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7656, 61.1165, 37.5070.



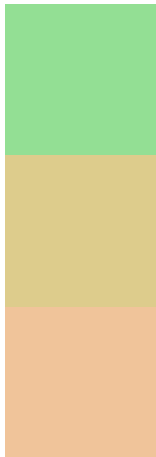
This preview shows how white text looks on a background with the XYZ color 43.7656, 61.1165,

37.5070.

# 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

43.7656, 61.1165, 37.5070

### Protanopia

56.1453, 60.4513, 33.5200

### Deuteranopia

61.5078, 60.3382, 38.9765



## Tritanopia

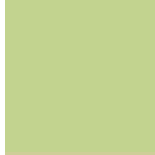
52.9775, 60.9831, 83.8416

# Trichromacy



## Original Color

43.7656, 61.1165, 37.5070



## Protanomaly

50.5003, 60.0410, 34.9140



## Deuteranomaly

53.1924, 59.5314, 38.3929



## Tritanomaly

49.1428, 60.9639, 63.8207

# Monochromacy



## Original Color

43.7656, 61.1165, 37.5070



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

47.0969, 55.0766, 49.2229

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7656, 61.1165, 37.5070 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(147, 223, 148)` looks like.

```
.text, #text, p{  
    color:rgb(147, 223, 148)  
}
```

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(147, 223, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 223, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7656, 61.1165, 37.5070 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(147, 223, 148) }
```



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

```
.border{ border-color:rgb(147, 223, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 223, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 223, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 223, 148);  
box-shadow:4px 4px 4px 4px rgb(147, 223,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7656, 61.1165, 37.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 223, 148) }
```

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

```
.background{ background-color: rgb(147,  
223, 148) }
```

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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