

# Converting Colors

XYZ(50.6994, 62.8043, 87.2922)

Have a look what the booklet for  
XYZ(50.6994, 62.8043, 87.2922)  
contains.

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# Color

**XYZ(50.6994, 62.8043,  
87.2922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87DDEA
RGB	135, 221, 234
RGB Percent	53%, 87%, 92%
CMY	0.4706, 0.1333, 0.0823
CMYK	0.42, 0.06, 0.00, 0.08
HSL	188°, 70%, 72%
HSV	188°, 42%, 92%
XYZ	50.6994, 62.8043, 87.2922
YIQ	196.7680, -55.4290, -14.1890

# Conversions

## Conversions Part 2

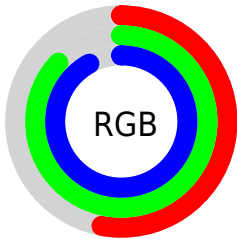
Format	Color
R <sub>YB</sub>	135, 181, 234
Decimal	8904170
CIE Lab	83.34, -22.69, -14.52
CIE LCh	83, 26.935, 212.622
Yxy	62.8043, 0.2525, 0.3128
Android (android.graphics.Color)	4287094250 (0xFF87DDEA)
YUV	196.7680, 18.3554, -54.1705
Hunter-Lab	79.2492, -24.4912, -9.8330

# Details

The XYZ color **50.6994, 62.8043, 87.2922** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48.8959, 40.4225, 28.1485**, and the grayscale version is **52.8494, 55.6017, 60.5503**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **24.7327, 32.0646, 47.0050** is the 20% darker color. If you saturate the color by 10%, you get **46.5370, 59.4667, 86.8685**, and if you desaturate by 10%, it is **55.7078, 66.6030, 87.7625**.

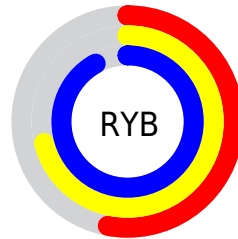
# Distribution



Red (53%)

Green (87%)

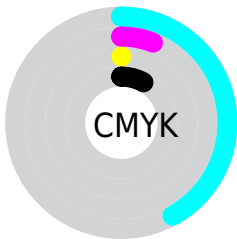
Blue (92%)



Red (53%)

Yellow (71%)

Blue (92%)

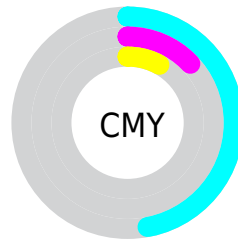


Cyan (42%)

Magenta (6%)

Yellow (0%)

Black (8%)



Cyan (47%)

Magenta (13%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6994, 62.8043, 87.2922 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 50.6994, 62.8043, 87.2922 by changing the saturation by 10% instead.





 50.6994, 62.8043,  
87.2922


 50.6994, 62.8043,  
87.2922


379.8017,  
434.8589, 539.5237

 36.1895, 45.6829,  
65.1760


 90.3959, 108.8871,  
145.4738

 24.7514, 31.9957,  
47.1516


 116.3133,  
138.6174, 182.3763

 16.0197, 21.3582,  
32.8003


 146.7638,  
173.3193, 225.0447

 9.6290, 13.3861,  
21.7036

182.1128,  
213.3774, 273.8975

 5.2140, 7.6949,  
13.4431

222.7258,  
259.1760, 329.3533

 2.4094, 3.9004,  
7.6001

268.9680,

 0.8498, 1.6180,

311.0995, 391.8305

3.7560

321.2049,  
369.5324, 461.7478

■ 0.0000, 0.3697,  
1.4925

■ 0.0000, 0.0000,  
0.2123

■ 50.6994, 62.8043,  
87.2922

■ 50.6994, 62.8043,  
87.2922

■ 46.5370, 59.4667,  
86.8685

■ 55.7078, 66.6030,  
87.7625

■ 43.1599, 56.5545,  
86.4843


■ 61.6065, 70.8813,  
88.2774


■ 40.5087, 54.0382,  
86.1384

■ 68.4431, 75.6654,  
88.8405


■ 38.5126, 51.8814,  
85.8273


■ 76.2606, 80.9775,  
89.4539


 37.0863, 50.0398,  
85.5470


 85.0989, 86.8384,  
90.1193

 36.2733, 48.7841,  
85.3475

 87.0862, 89.1901,  
90.4685

 87.9956, 91.0088,  
90.7716

 88.9203, 92.8582,  
91.0798

 89.8604, 94.7385,  
91.3932

# Harmonies

## Analogous

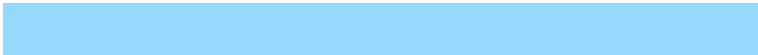
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1326, 62.8043, 69.8699



50.6994, 62.8043, 87.2922



54.6617, 62.8043, 101.2193

# Triad

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



50.6994, 62.8043, 87.2922



70.2662, 62.8043, 84.3181



59.1797, 62.8043, 40.9523

# Complementary

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



50.6994, 62.8043, 87.2922



48.8959, 40.4225, 28.1485

# 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.



65.0252, 62.8043, 43.5487



50.6994, 62.8043, 87.2922



71.6690, 62.8043, 66.9177

# Square

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



50.6994, 62.8043, 87.2922



65.9749, 62.8043, 99.3143



69.6932, 62.8043, 52.4234



53.8242, 62.8043, 44.6505

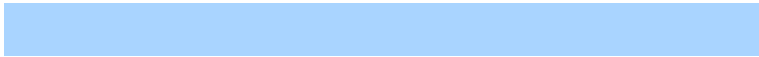


# Rectangle

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



50.6994, 62.8043, 87.2922



58.2587, 62.8043, 105.6283



69.6932, 62.8043, 52.4234



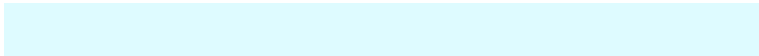
61.1519, 62.8043, 41.1183

# Sweetspot

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



50.7013, 62.8067, 87.2937



82.5155, 91.5003, 107.9200



44.6471, 66.0903, 37.8242



17.2499, 19.2995, 23.0660



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

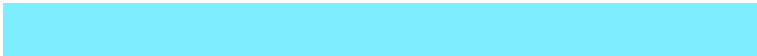


# Same Dimension

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



50.7013, 62.8067, 87.2937



57.0529, 72.6818, 105.6297



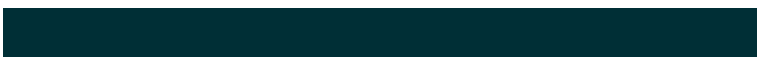
39.7785, 40.9611, 83.6527



15.3392, 16.7648, 19.3497



20.4499, 27.5468, 47.9822



1.6527, 2.2569, 3.7834



# Inverse Universe

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



55.6484, 40.0425, 73.2052



63.9889, 42.0832, 85.5816



58.0574, 58.7456, 31.2024



15.6248, 15.2778, 18.5753



25.1775, 12.2737, 33.0655

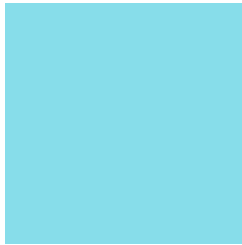


2.0007, 0.9733, 2.7212



# Previews

## White Background



This preview shows how the XYZ color 50.6994, 62.8043, 87.2922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

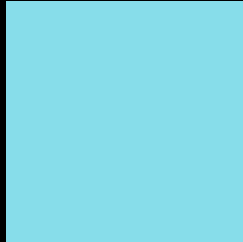
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6994, 62.8043, 87.2922 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 50.6994, 62.8043, 87.2922**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.6994, 62.8043, 87.2922.



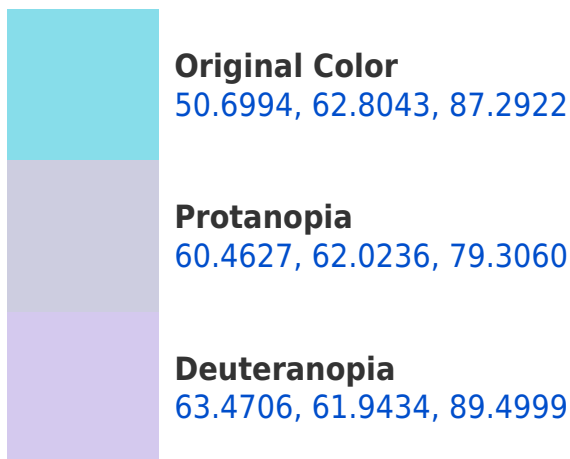
This preview shows how white text looks on a background with the XYZ color 50.6994, 62.8043,



# 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





## Tritanopia

51.1792, 62.5937, 90.2733

# Trichromacy



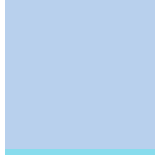
## Original Color

50.6994, 62.8043, 87.2922



## Protanomaly

56.1202, 61.8933, 82.3875



## Deuteranomaly

57.6091, 61.4165, 88.9390



## Tritanomaly

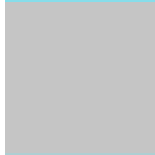
51.0326, 62.5351, 89.5015

# Monochromacy



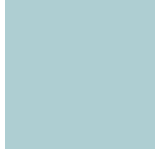
## Original Color

50.6994, 62.8043, 87.2922



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

51.1597, 57.7944, 69.4318

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6994, 62.8043, 87.2922 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(135, 221, 234)` looks like.

```
.text, #text, p{  
    color:rgb(135, 221, 234)  
}
```

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(135, 221, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 221, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6994, 62.8043, 87.2922 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(135, 221, 234) }
```



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

```
.border{ border-color:rgb(135, 221, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 221, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(135, 221,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.6994, 62.8043, 87.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 221, 234) }
```

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

```
.background{ background-color: rgb(135,  
221, 234) }
```

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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