

# Converting Colors

XYZ(42.0082, 61.5130, 64.7154)

Have a look what the booklet for  
XYZ(42.0082, 61.5130, 64.7154)  
contains.

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# Color

**XYZ(42.1238, 61.6823,  
64.9441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56E4C9
RGB	86, 228, 201
RGB Percent	34%, 89%, 79%
CMY	0.6627, 0.1059, 0.2118
CMYK	0.62, 0.00, 0.12, 0.11
HSL	169°, 72%, 62%
HSV	169°, 62%, 89%
XYZ	42.1238, 61.6823, 64.9441
YIQ	182.4640, -75.9650, -38.5010

# Conversions

## Conversions Part 2

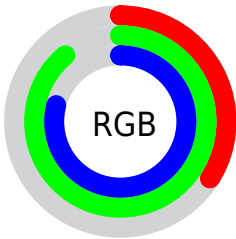
Format	Color
R <sub>Y</sub> B	86, 164, 228
Decimal	5694665
CIE Lab	82.74, -44.41, 1.89
CIE LCh	83, 44.450, 177.557
Yxy	61.6823, 0.2496, 0.3655
Android (android.graphics.Color)	4283884745 (0xFF56E4C9)
YUV	182.4640, 9.1382, -84.5989
Hunter-Lab	78.5381, -41.7034, 5.9490

# Details

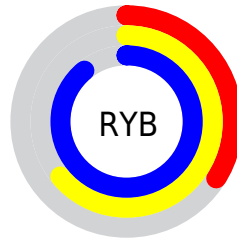
The XYZ color **42.1238, 61.6823, 64.9441** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **38.3054, 24.3436, 18.3050**, and the grayscale version is **44.6996, 47.0274, 51.2129**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **20.0190, 31.6116, 32.6503** is the 20% darker color. If you saturate the color by 10%, you get **39.8473, 60.5683, 62.2137**, and if you desaturate by 10%, it is **45.0875, 63.1519, 67.7846**.

# Distribution



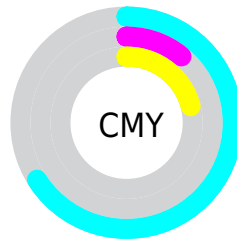
- Red (34%)
- Green (89%)
- Blue (79%)



- Red (34%)
- Yellow (64%)
- Blue (89%)



- Cyan (62%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)




- Cyan (66%)
- Magenta (11%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1238, 61.6823, 64.9441 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 42.1238, 61.6823, 64.9441 by changing the saturation by 10% instead.





 42.1238, 61.6823,  
64.9441


 42.1238, 61.6823,  
64.9441


345.9788,  
430.7713, 460.8918

 29.3898, 44.7760,  
46.9647


 77.6509, 107.2662,  
113.5820


 19.5216, 31.2811,  
32.6536


 101.1748,  
136.7127, 145.0776

 12.1540, 20.8130,  
21.5923


 129.0259,  
171.1080, 181.9156

 6.9216, 12.9874,  
13.3622

 161.5697,  
210.8366, 224.5147

 3.4590, 7.4198,  
7.5448

199.1716,  
256.2828, 273.2933

 1.4009, 3.7260,  
3.7215

242.1968,

 0.2569, 1.5215,

307.8311, 328.6700

1.4738

291.0107,  
365.8658, 391.0633

■ 0.0000, 0.3038,  
0.1983

■ 0.0000, 0.0000,  
0.0000

■ 42.1238, 61.6823,  
64.9441

■ 42.1238, 61.6823,  
64.9441

■ 39.8473, 60.5683,  
62.2137

■ 45.0875, 63.1519,  
67.7846

■ 38.1864, 59.7686,  
59.5852


■ 48.7909, 64.9996,  
70.7341


■ 37.0631, 59.2443,  
57.0559


■ 53.2872, 67.2544,  
73.7971


■ 36.4642, 58.9768,  
55.1657


■ 58.6232, 69.9404,  
76.9763

 64.8421, 73.0798,  
80.2744

 71.9841, 76.6933,  
83.6938

 80.0868, 80.8004,  
87.2368

 84.0793, 82.7868,  
90.6667

 84.7160, 83.0415,  
94.0194

# Harmonies

## Analogous

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



44.4518, 61.6823, 42.7090



42.1238, 61.6823, 64.9441



43.8040, 61.6823, 94.5564

# Triad

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



42.1238, 61.6823, 64.9441



67.5421, 61.6823, 125.4269



69.0434, 61.6823, 31.8300

# Complementary

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



42.1238, 61.6823, 64.9441



38.3054, 24.3436, 18.3050

# 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.



76.4659, 61.6823, 45.6459



42.1238, 61.6823, 64.9441



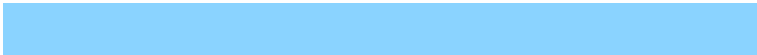
75.5350, 61.6823, 99.5195

# Square

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



42.1238, 61.6823, 64.9441



57.8477, 61.6823, 134.6209



78.9602, 61.6823, 69.4289



59.4136, 61.6823, 27.1216

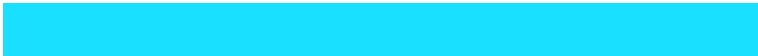


# Rectangle

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



42.1238, 61.6823, 64.9441



47.0844, 61.6823, 113.9415



78.9602, 61.6823, 69.4289



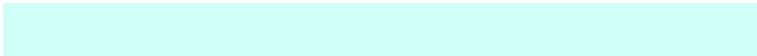
71.9173, 61.6823, 35.3405

# Sweetspot

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



42.1256, 61.6847, 64.9455



77.9684, 91.3614, 100.5425



36.4167, 59.7655, 18.4219



16.2181, 19.3179, 21.2615



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.



42.1256, 61.6847, 64.9455



50.5960, 77.6968, 79.0947



35.2761, 42.4477, 79.7355



14.6837, 16.2869, 17.8653



21.0968, 34.0708, 32.0737



1.5894, 2.5299, 2.5301



# Inverse Universe

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



38.3054, 24.3436, 18.3050



45.3653, 25.8210, 14.6794



41.4744, 32.7633, 12.9434



14.4884, 14.4126, 15.5064



18.7630, 9.6394, 2.3807

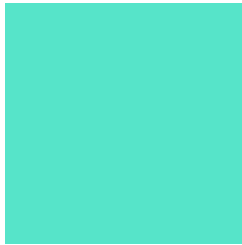


1.4184, 0.7251, 0.3437



# Previews

## White Background



This preview shows how the XYZ color 42.1238, 61.6823, 64.9441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

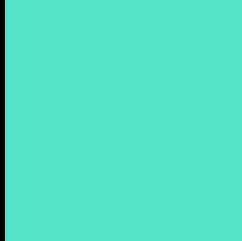
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1238, 61.6823, 64.9441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

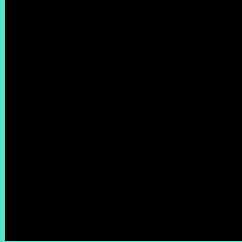
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

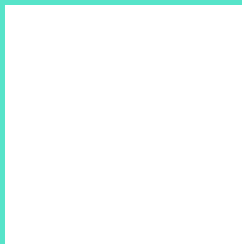
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 42.1238, 61.6823, 64.9441

## Background



This preview shows how black text looks on a background with the XYZ color 42.1238, 61.6823, 64.9441.



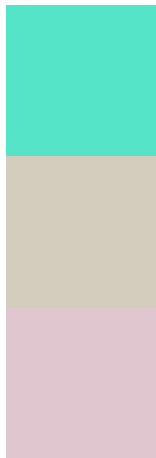
This preview shows how white text looks on a background with the XYZ color 42.1238, 61.6823,



# 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

42.1238, 61.6823, 64.9441

### Protanopia

57.8213, 60.8136, 56.2676

### Deuteranopia

61.8880, 60.5811, 67.4630



## Tritanopia

47.3289, 61.3586, 91.7870

# Trichromacy



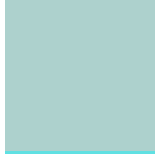
## Original Color

42.1238, 61.6823, 64.9441



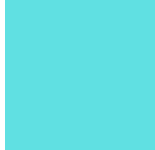
## Protanomaly

49.1458, 59.5457, 59.3553



## Deuteranomaly

51.0535, 58.8929, 66.4343



## Tritanomaly

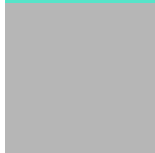
45.2070, 61.2891, 81.3988

# Monochromacy



## Original Color

42.1238, 61.6823, 64.9441



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

41.6414, 50.7240, 55.7401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1238, 61.6823, 64.9441 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(86, 228, 201)` looks like.

```
.text, #text, p{  
    color:rgb(86, 228, 201)  
}
```

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(86, 228, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 228, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1238, 61.6823, 64.9441 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(86, 228, 201) }
```



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

```
.border{ border-color:rgb(86, 228, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 228, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 228, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 228, 201);  
box-shadow:4px 4px 4px 4px rgb(86, 228,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1238, 61.6823, 64.9441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 228, 201) }
```

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

```
.background{ background-color: rgb(86, 228,  
201) }
```

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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