

# Converting Colors

XYZ(51.2419, 61.8036, 74.8742)

Have a look what the booklet for  
XYZ(51.2419, 61.8036, 74.8742)  
contains.

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# Color

**XYZ(51.2419, 61.8036,  
74.8742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DD9D9
RGB	157, 217, 217
RGB Percent	62%, 85%, 85%
CMY	0.3843, 0.1490, 0.1490
CMYK	0.28, 0.00, 0.00, 0.15
HSL	180°, 44%, 73%
HSV	180°, 28%, 85%
XYZ	51.2419, 61.8036, 74.8742
YIQ	199.0600, -35.7600, -12.7200

# Conversions

## Conversions Part 2

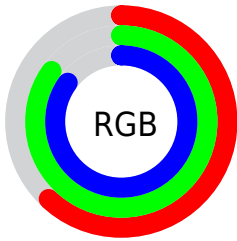
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 187, 217
Decimal	10344921
CIELab	82.81, -18.96, -6.17
CIELCh	83, 19.937, 198.029
Yxy	61.8036, 0.2727, 0.3289
Android (android.graphics.Color)	4288535001 (0xFF9DD9D9)
YUV	199.0600, 8.8444, -36.8866
Hunter-Lab	78.6153, -21.2293, -1.4379

# Details

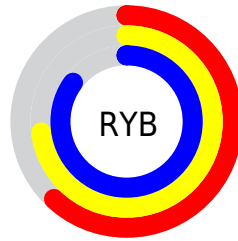
The XYZ color **51.2419, 61.8036, 74.8742** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.7603, 41.3018, 37.4083**, and the grayscale version is **54.2876, 57.1147, 62.1980**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **25.0354, 31.3329, 38.9108** is the 20% darker color. If you saturate the color by 10%, you get **47.3788, 59.8137, 74.6941**, and if you desaturate by 10%, it is **55.8605, 64.1861, 75.0923**.

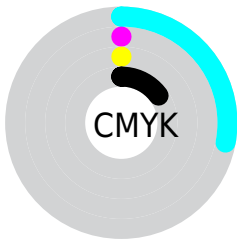
# Distribution



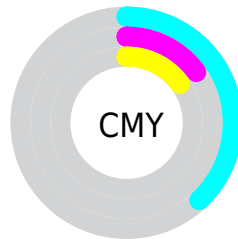
- Red (62%)
- Green (85%)
- Blue (85%)



- Red (62%)
- Yellow (73%)
- Blue (85%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (38%)
- Magenta (15%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2419, 61.8036, 74.8742 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 51.2419, 61.8036, 74.8742 by changing the saturation by 10% instead.



■ 51.2419, 61.8036,  
74.8742

■ 51.2419, 61.8036,  
74.8742

381.8751,  
431.2143, 496.7289

■ 36.6230, 44.8740,  
55.0087

■ 91.1931, 107.4416,  
127.8797

■ 25.0881, 31.3582,  
39.0101

■ 117.2561,  
136.9189, 161.8569

■ 16.2718, 20.8718,  
26.4597

147.8645,  
171.3475, 201.3750

■ 9.8087, 13.0303,  
16.9390

183.3837,  
211.1118, 246.8526

■ 5.3336, 7.4494,  
10.0295

224.1790,  
256.5962, 298.7083

■ 2.4811, 3.7447,  
5.3127

270.6157,

■ 0.8857, 1.5318,

308.1852, 357.3605

2.3699

323.0593,  
366.2631, 423.2279

■ 0.0000, 0.3110,  
0.7700

■ 0.0000, 0.0000,  
0.0000

■ 51.2419, 61.8036,  
74.8742

■ 51.2419, 61.8036,  
74.8742

■ 47.3788, 59.8137,  
74.6941

■ 55.8605, 64.1861,  
75.0923

■ 44.2260, 58.1884,  
74.5459

■ 61.2662, 66.9728,  
75.3460

■ 41.7420, 56.9078,  
74.4290

■ 67.4950, 70.1839,  
75.6381

■ 39.8783, 55.9471,  
74.3411

■ 74.5795, 73.8361,  
75.9703

■ 38.5806, 55.2781,  
74.2797

■ 78.5791, 75.8980,  
76.1582

■ 37.7845, 54.8677,  
74.2418

■ 78.5793, 75.8980,  
76.1588

■ 37.4015, 54.6703,  
74.2232

■ 78.5794, 75.8981,  
76.1595

■ 37.3376, 54.6373,  
74.2201

■ 78.5795, 75.8981,  
76.1602

■ 78.5796, 75.8982,  
76.1608

# Harmonies

## Analogous

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



51.0361, 61.8036, 62.5113



51.2419, 61.8036, 74.8742



53.3964, 61.8036, 86.4324

# Triad

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



51.2419, 61.8036, 74.8742



65.0919, 61.8036, 84.3626



60.4702, 61.8036, 46.7261

# Complementary

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



51.2419, 61.8036, 74.8742



46.7603, 41.3018, 37.4083

# 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.



64.4339, 61.8036, 51.2118



51.2419, 61.8036, 74.8742



67.1879, 61.8036, 72.3138

# Square

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



51.2419, 61.8036, 74.8742



61.3330, 61.8036, 92.3528



66.9414, 61.8036, 60.2428



56.2260, 61.8036, 47.2347



# Rectangle

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



51.2419, 61.8036, 74.8742



55.7098, 61.8036, 91.6682



66.9414, 61.8036, 60.2428



61.8833, 61.8036, 47.6750

# Sweetspot

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



51.2437, 61.8061, 74.8756



87.9389, 96.3341, 108.5664



45.0011, 59.3317, 40.9799



18.5549, 20.4815, 23.2251



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.



51.2437, 61.8061, 74.8756



70.5713, 87.3808, 107.7513



44.4141, 48.1463, 72.6008



13.4449, 14.8296, 16.8058



22.6012, 33.0731, 44.9270



1.4642, 2.1426, 2.9106



# Inverse Universe

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



46.7603, 41.3018, 37.4083



63.1113, 53.2639, 45.4097



52.2622, 52.3061, 39.2411



13.0561, 13.0515, 13.5568



17.3222, 8.9299, 0.8109



1.1222, 0.5785, 0.0526



# Previews

## White Background



This preview shows how the XYZ color 51.2419, 61.8036, 74.8742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

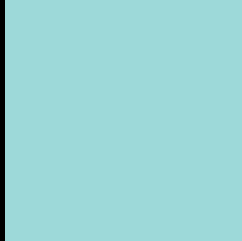
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2419, 61.8036, 74.8742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

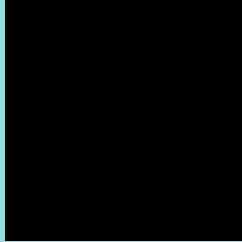
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.2419, 61.8036, 74.8742

## Background



This preview shows how black text looks on a background with the XYZ color 51.2419, 61.8036, 74.8742.



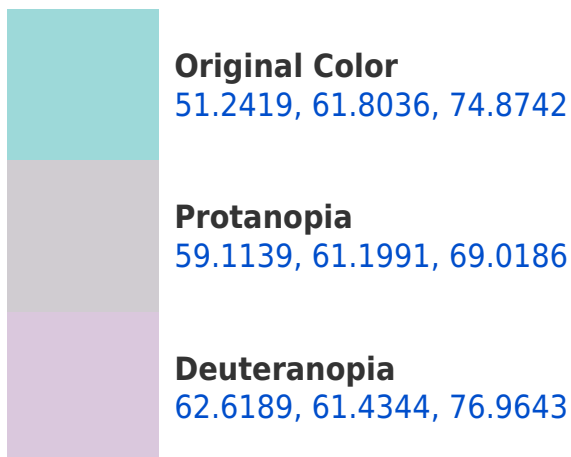
This preview shows how white text looks on a background with the XYZ color 51.2419, 61.8036,



# 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

53.3631, 61.9007, 85.4794

# Trichromacy



## Original Color

51.2419, 61.8036, 74.8742

## Protanomaly

55.6704, 61.1732, 71.1608

## Deuteranomaly

57.7545, 61.0457, 76.4492

## Tritanomaly

52.7191, 62.0287, 81.8672

# Monochromacy



## Original Color

51.2419, 61.8036, 74.8742

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

52.9790, 58.7892, 66.9477

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2419, 61.8036, 74.8742 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(157, 217, 217)` looks like.

```
.text, #text, p{  
    color:rgb(157, 217, 217)  
}
```

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(157, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 217, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2419, 61.8036, 74.8742 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(157, 217, 217) }
```



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

```
.border{ border-color:rgb(157, 217, 217) }
```

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

Here you see how a box with a 4 pixel rgb(157, 217, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(157, 217,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2419, 61.8036, 74.8742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 217, 217) }
```

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

```
.background{ background-color: rgb(157,  
217, 217) }
```

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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