

# Converting Colors

XYZ(48.5136, 63.2768, 79.3392)

Have a look what the booklet for  
XYZ(48.5136, 63.2768, 79.3392)  
contains.

<b>XYZ(48.7019, 63.5381, 79.5093)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(48.7019, 63.5381,  
79.5093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DE1DF
RGB	125, 225, 223
RGB Percent	49%, 88%, 87%
CMY	0.5098, 0.1176, 0.1255
CMYK	0.44, 0.00, 0.01, 0.12
HSL	179°, 63%, 69%
HSV	179°, 44%, 88%
XYZ	48.7019, 63.5381, 79.5093
YIQ	194.8720, -58.9580, -21.8220

# Conversions

## Conversions Part 2

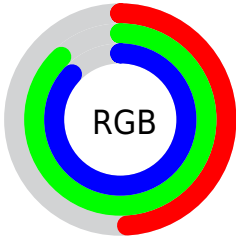
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 176, 225
Decimal	8249823
CIELab	83.72, -29.74, -8.16
CIElCh	84, 30.844, 195.344
Yxy	63.5381, 0.2540, 0.3314
Android (android.graphics.Color)	4286439903 (0xFF7DE1DF)
YUV	194.8720, 13.8671, -61.2777
Hunter-Lab	79.7108, -30.4335, -3.3426

# Details

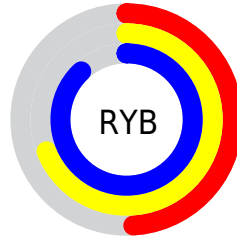
The XYZ color **48.7019, 63.5381, 79.5093** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.2178, 32.2089, 24.0726**, and the grayscale version is **51.7423, 54.4370, 59.2819**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **23.4358, 32.3269, 42.0503** is the 20% darker color. If you saturate the color by 10%, you get **45.7218, 62.0103, 79.0545**, and if you desaturate by 10%, it is **52.4299, 65.4544, 80.0027**.

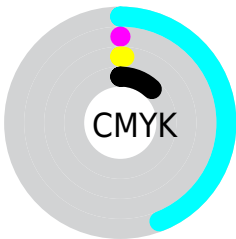
# Distribution



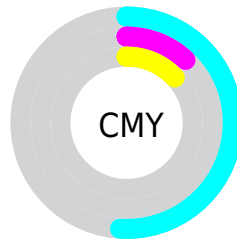
- Red (49%)
- Green (88%)
- Blue (87%)



- Red (49%)
- Yellow (69%)
- Blue (88%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (51%)
- Magenta (12%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7019, 63.5381, 79.5093 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 48.7019, 63.5381, 79.5093 by changing the saturation by 10% instead.



■ 48.7019, 63.5381,  
79.5093

■ 48.7019, 63.5381,  
79.5093

372.1040,  
437.5197, 512.9407

■ 34.5966, 46.2767,  
58.7909

■ 87.4519, 109.9455,  
134.4808

■ 23.5174, 32.4642,  
42.0259

■ 112.8274,  
139.8602, 169.5709

■ 15.0988, 21.7163,  
28.7958

■ 142.6903,  
174.7614, 210.2886

■ 8.9755, 13.6486,  
18.6822

177.4060,  
215.0336, 257.0525

■ 4.7822, 7.8767,  
11.2664

217.3399,  
261.0612, 310.2811

■ 2.1535, 4.0161,  
6.1299

262.8573,

■ 0.7180, 1.6826,

313.2284, 370.3930

2.8541

314.3236,  
371.9198, 437.8067

■ 0.0000, 0.4123,  
1.0207

■ 0.0000, 0.0000,  
0.0000

■ 48.7019, 63.5381,  
79.5093

■ 48.7019, 63.5381,  
79.5093

■ 45.7218, 62.0103,  
79.0545

■ 52.4299, 65.4544,  
80.0027

■ 43.4331, 60.8374,  
78.6316


■ 56.9462, 67.7756,  
80.5324


■ 41.7804, 59.9924,  
78.2393


■ 62.2951, 70.5260,  
81.1020


■ 40.6972, 59.4410,  
77.8744


■ 68.5160, 73.7259,  
81.7132

 40.1027, 59.1414,  
77.5333


 75.6458, 77.3944,  
82.3677

 39.9107, 59.0463,  
77.3506

 81.8532, 80.5873,  
82.9800

 81.9150, 80.6120,  
83.3055

 81.9770, 80.6368,  
83.6318

 82.0391, 80.6617,  
83.9591

# Harmonies

## Analogous

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



48.6669, 63.5381, 60.1834



48.7019, 63.5381, 79.5093



51.7071, 63.5381, 99.1896

# Triad

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



48.7019, 63.5381, 79.5093



70.1186, 63.5381, 98.7879



63.7403, 63.5381, 39.0520

# Complementary

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



48.7019, 63.5381, 79.5093



42.2178, 32.2089, 24.0726

# 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.



69.9966, 63.5381, 45.9338



48.7019, 63.5381, 79.5093



73.8614, 63.5381, 79.0361

# Square

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



48.7019, 63.5381, 79.5093



63.8968, 63.5381, 111.6555



73.8152, 63.5381, 59.7904



57.0159, 63.5381, 39.1311

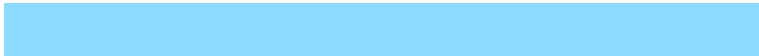


# Rectangle

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



48.7019, 63.5381, 79.5093



55.1286, 63.5381, 108.8353



73.8152, 63.5381, 59.7904



65.9782, 63.5381, 40.5621

# Sweetspot

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



48.7038, 63.5406, 79.5108



83.7816, 94.2032, 107.8158



39.5811, 59.9487, 28.8885



17.5663, 19.9749, 23.0397



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.



48.7038, 63.5406, 79.5108



61.1023, 82.5493, 105.0531



38.0367, 41.7719, 77.2949



14.1041, 15.5674, 17.5835



23.0030, 34.0261, 44.6004



1.5983, 2.3600, 3.1117



# Inverse Universe

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



42.2178, 32.2089, 24.0726



51.4859, 36.0759, 22.8432



49.4444, 46.8687, 25.8439



13.7183, 13.7050, 14.2868



17.9125, 9.2320, 0.9390

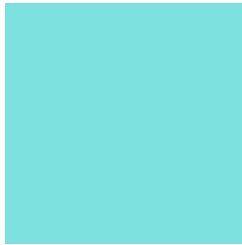


1.2456, 0.6415, 0.0860



# Previews

## White Background



This preview shows how the XYZ color 48.7019, 63.5381, 79.5093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

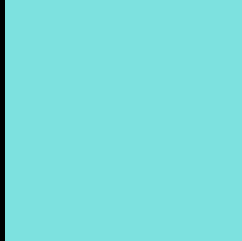
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7019, 63.5381, 79.5093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

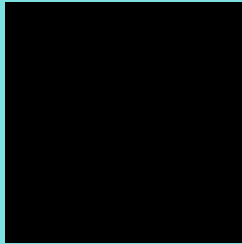
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

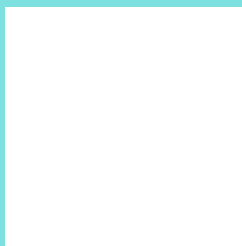
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.7019, 63.5381, 79.5093**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.7019, 63.5381, 79.5093.



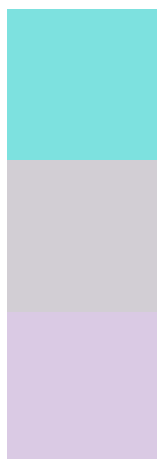
This preview shows how white text looks on a background with the XYZ color 48.7019, 63.5381,



# 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

48.7019, 63.5381, 79.5093

### Protanopia

60.5333, 62.5977, 71.1795

### Deuteranopia

64.0376, 62.7479, 82.1352



## **Tritanopia**

51.0554, 63.2796, 91.9614

# Trichromacy



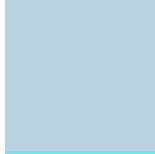
## Original Color

48.7019, 63.5381, 79.5093



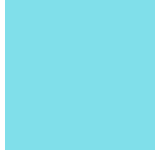
## Protanomaly

54.7793, 62.1301, 74.0709



## Deuteranomaly

56.5412, 61.7745, 80.8951



## Tritanomaly

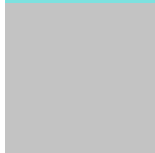
50.1410, 63.3051, 87.4183

# Monochromacy



## Original Color

48.7019, 63.5381, 79.5093



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

49.6683, 57.0964, 66.1605

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7019, 63.5381, 79.5093 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(125, 225, 223)` looks like.

```
.text, #text, p{  
    color:rgb(125, 225, 223)  
}
```

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(125, 225, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 225, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7019, 63.5381, 79.5093 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(125, 225, 223) }
```



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

```
.border{ border-color:rgb(125, 225, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 225, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 225, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 225, 223);  
box-shadow:4px 4px 4px 4px rgb(125, 225,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7019, 63.5381, 79.5093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 225, 223) }
```

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

```
.background{ background-color: rgb(125,  
225, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor