

# Converting Colors

XYZ(46.8963, 61.5289, 71.3121)

Have a look what the booklet for  
XYZ(46.8963, 61.5289, 71.3121)  
contains.

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# Color

**XYZ(46.9324, 61.6128,  
71.0469)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81DED3
RGB	129, 222, 211
RGB Percent	51%, 87%, 83%
CMY	0.4941, 0.1294, 0.1725
CMYK	0.42, 0.00, 0.05, 0.13
HSL	173°, 58%, 69%
HSV	173°, 42%, 87%
XYZ	46.9324, 61.6128, 71.0469
YIQ	192.9390, -51.8970, -23.1370

# Conversions

## Conversions Part 2

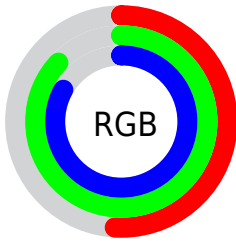
Format	Color
<a href="#">RYB</a>	<a href="#">129, 178, 222</a>
Decimal	<a href="#">8511187</a>
CIELab	<a href="#">82.71, -30.26, -3.29</a>
CIELCh	<a href="#">83, 30.441, 186.196</a>
Yxy	<a href="#">61.6128, 0.2613, 0.3431</a>
Android (android.graphics.Color)	<a href="#">4286701267 (0xFF81DED3)</a>
YUV	<a href="#">192.9390, 8.9041, -56.0745</a>
Hunter-Lab	<a href="#">78.4938, -30.6369, 1.2807</a>

# Details

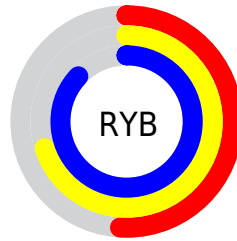
The XYZ color **46.9324, 61.6128, 71.0469** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.7102, 33.1253, 28.9560**, and the grayscale version is **50.6254, 53.2618, 58.0022**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **22.3945, 31.0845, 36.7179** is the 20% darker color. If you saturate the color by 10%, you get **43.5935, 59.9308, 69.1870**, and if you desaturate by 10%, it is **51.0128, 63.6795, 72.9722**.

# Distribution



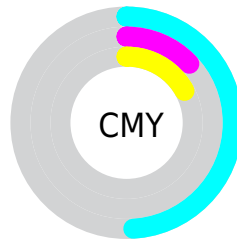
- Red (51%)
- Green (87%)
- Blue (83%)



- Red (51%)
- Yellow (70%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9324, 61.6128, 71.0469 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 46.9324, 61.6128, 71.0469 by changing the saturation by 10% instead.





 46.9324, 61.6128,  
71.0469


 46.9324, 61.6128,  
71.0469


365.1981,  
430.5173, 483.1054


 33.1899, 44.7199,  
51.8984


 84.8321, 107.1657,  
122.3956

 22.4319, 31.2369,  
36.5424


 109.7200,  
136.5945, 155.4328

 14.2930, 20.7793,  
24.5604


 139.0538,  
170.9708, 193.9368

 8.4078, 12.9628,  
15.5338

173.1988,  
210.6789, 238.3259

 4.4110, 7.4029,  
9.0441

212.5203,  
256.1032, 289.0188

 1.9372, 3.7153,  
4.6728

257.3838,

 0.5983, 1.5156,

307.6281, 346.4340

2.0012

308.1546,  
365.6380, 410.9900

■ 0.0000, 0.2997,  
0.5560

■ 0.0000, 0.0000,  
0.0000

■ 46.9324, 61.6128,  
71.0469

■ 46.9324, 61.6128,  
71.0469

■ 43.5935, 59.9308,  
69.1870

■ 51.0128, 63.6795,  
72.9722

■ 40.9427, 58.6014,  
67.3860


■ 55.8730, 66.1460,  
74.9609


■ 38.9283, 57.5994,  
65.6426


■ 61.5551, 69.0356,  
77.0165


■ 37.4887, 56.8931,  
63.9537


■ 68.0963, 72.3675,  
79.1407


 36.5498, 56.4444,  
62.3158


 75.5320, 76.1599,  
81.3353

 36.0565, 56.2183,  
61.0204

 81.1943, 79.0374,  
83.4758

 81.5592, 79.1833,  
85.3971

 81.9296, 79.3315,  
87.3477

 82.3056, 79.4819,  
89.3277

# Harmonies

## Analogous

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



47.7969, 61.6128, 53.5800



46.9324, 61.6128, 71.0469



48.9916, 61.6128, 90.6702

# Triad

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



46.9324, 61.6128, 71.0469



66.3024, 61.6128, 100.5328



63.7823, 61.6128, 39.2451

# Complementary

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



46.9324, 61.6128, 71.0469



42.7102, 33.1253, 28.9560

# 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.



69.3021, 61.6128, 47.9930



46.9324, 61.6128, 71.0469



70.8311, 61.6128, 82.6897

# Square

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



46.9324, 61.6128, 71.0469



59.9283, 61.6128, 109.6165



71.9676, 61.6128, 63.2749



57.2149, 61.6128, 37.2838



# Rectangle

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



46.9324, 61.6128, 71.0469



51.8425, 61.6128, 101.6660



71.9676, 61.6128, 63.2749



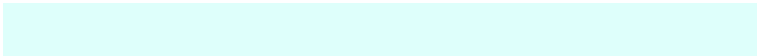
65.8365, 61.6128, 41.3981

# Sweetspot

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



46.9342, 61.6152, 71.0483



83.2632, 93.9959, 105.0861



41.1383, 59.5278, 30.0920



17.4368, 19.9231, 22.3576



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

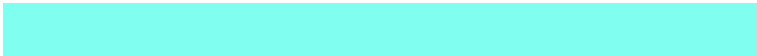


# Same Dimension

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



46.9342, 61.6152, 71.0483



60.3028, 82.3568, 95.0911



40.2018, 45.8669, 75.8443



14.0431, 15.5430, 17.2621



21.4432, 33.4021, 36.3867



1.5063, 2.3233, 2.6275



# Inverse Universe

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



42.7102, 33.1253, 28.9560



53.8205, 38.5388, 30.4236



47.2037, 43.3465, 26.6490



13.7729, 13.7268, 14.5741



18.0268, 9.2777, 1.5412



1.2717, 0.6519, 0.2234



# Previews

## White Background



This preview shows how the XYZ color 46.9324, 61.6128, 71.0469 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

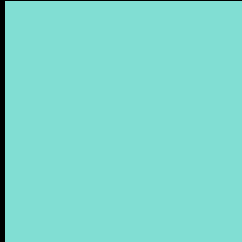
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9324, 61.6128, 71.0469 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

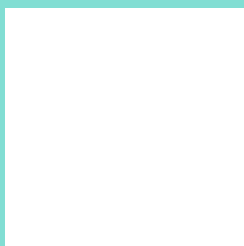
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.9324, 61.6128, 71.0469**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9324, 61.6128, 71.0469.



This preview shows how white text looks on a background with the XYZ color 46.9324, 61.6128,



# 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

46.9324, 61.6128, 71.0469

### Protanopia

58.4300, 60.9581, 63.9448

### Deuteranopia

62.3333, 61.0204, 73.4585



## Tritanopia

50.3651, 61.4332, 88.5601

# Trichromacy



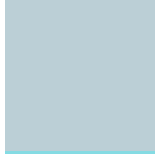
## Original Color

46.9324, 61.6128, 71.0469



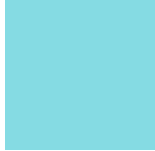
## Protanomaly

53.1361, 60.6996, 66.6732



## Deuteranomaly

54.9439, 60.0455, 72.3124



## Tritanomaly

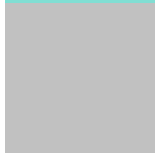
48.8695, 61.1956, 81.9093

# Monochromacy



## Original Color

46.9324, 61.6128, 71.0469



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

48.5958, 55.9019, 62.8725

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9324, 61.6128, 71.0469 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(129, 222, 211)` looks like.

```
.text, #text, p{  
    color:rgb(129, 222, 211)  
}
```

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(129, 222, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 222, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9324, 61.6128, 71.0469 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(129, 222, 211) }
```



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

```
.border{ border-color:rgb(129, 222, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 222, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 222, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 222, 211);  
box-shadow:4px 4px 4px 4px rgb(129, 222,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9324, 61.6128, 71.0469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 222, 211) }
```

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

```
.background{ background-color: rgb(129,  
222, 211) }
```

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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