

# Converting Colors

XYZ(42.0689, 59.9981, 66.4903)

Have a look what the booklet for  
XYZ(42.0689, 59.9981, 66.4903)  
contains.

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# Color

**XYZ(42.0689, 59.9981,  
66.4903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DE0CC
RGB	93, 224, 204
RGB Percent	36%, 88%, 80%
CMY	0.6353, 0.1216, 0.2000
CMYK	0.58, 0.00, 0.09, 0.12
HSL	171°, 68%, 62%
HSV	171°, 58%, 88%
XYZ	42.0689, 59.9981, 66.4903
YIQ	182.5510, -71.6560, -33.9920

# Conversions

## Conversions Part 2

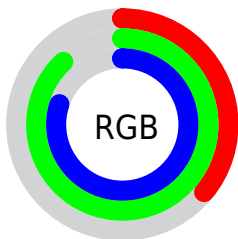
Format	Color
<a href="#">RYB</a>	<a href="#">93, 164, 224</a>
Decimal	<a href="#">6152396</a>
CIELab	<a href="#">81.84, -40.67, -0.99</a>
CIElCh	<a href="#">82, 40.678, 181.401</a>
Yxy	<a href="#">59.9981, 0.2496, 0.3560</a>
Android (android.graphics.Color)	<a href="#">4284342476</a> ( <a href="#">0xFF5DE0CC</a> )
YUV	<a href="#">182.5510, 10.5744, -78.5362</a>
Hunter-Lab	<a href="#">77.4584, -38.6061, 3.3264</a>

# Details

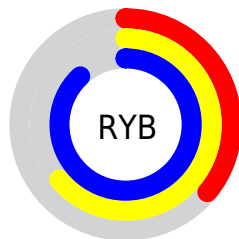
The XYZ color **42.0689, 59.9981, 66.4903** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.6374, 24.8698, 18.4414**, and the grayscale version is **44.7376, 47.0674, 51.2564**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **19.5077, 30.2073, 33.6566** is the 20% darker color. If you saturate the color by 10%, you get **39.7197, 58.8354, 64.2635**, and if you desaturate by 10%, it is **45.0944, 61.5113, 68.7985**.

# Distribution



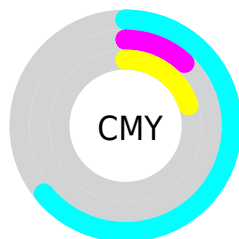
- Red (36%)
- Green (88%)
- Blue (80%)



- Red (36%)
- Yellow (64%)
- Blue (88%)



- Cyan (58%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)




- Cyan (64%)
- Magenta (12%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0689, 59.9981, 66.4903 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 42.0689, 59.9981, 66.4903 by changing the saturation by 10% instead.





 42.0689, 59.9981,  
66.4903


 42.0689, 59.9981,  
66.4903


345.7552,  
424.5908, 466.5803


 29.3466, 43.4171,  
48.2115


 77.5684, 104.8269,  
115.8235


 19.4888, 30.2125,  
33.6333


 101.0763,  
133.8435, 147.7149

 12.1301, 20.0000,  
22.3369


 128.9101,  
167.7741, 184.9811

 6.9052, 12.3950,  
13.9040

 161.4352,  
207.0031, 228.0404

 3.4487, 7.0133,  
7.9159

199.0169,  
251.9149, 277.3114

 1.3952, 3.4704,  
3.9542

242.0206,

 0.2528, 1.3820,

302.8938, 333.2127

1.6003

290.8116,  
360.3243, 396.1628

■ 0.0000, 0.2034,  
0.2910

■ 0.0000, 0.0000,  
0.0000

■ 42.0689, 59.9981,  
66.4903

■ 42.0689, 59.9981,  
66.4903

■ 39.7197, 58.8354,  
64.2635

■ 45.0944, 61.5113,  
68.7985

■ 37.9818, 57.9853,  
62.1106


■ 48.8438, 63.3953,  
71.1866


■ 36.7862, 57.4138,  
60.0296


■ 53.3662, 65.6766,  
73.6584


■ 36.0286, 57.0670,  
58.0153


■ 58.7050, 68.3777,  
76.2164


 35.9292, 57.0223,  
57.7140

 64.9002, 71.5193,  
78.8627

 71.9894, 75.1207,  
81.5992

 80.0078, 79.2000,  
84.4281

 82.3719, 80.3634,  
87.0413

 82.8609, 80.5590,  
89.6161

# Harmonies

## Analogous

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



43.7301, 59.9981, 45.2161



42.0689, 59.9981, 66.4903



44.0690, 59.9981, 93.1755

# Triad

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



42.0689, 59.9981, 66.4903



66.0638, 59.9981, 114.5393



65.2958, 59.9981, 31.9985

# Complementary

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



42.0689, 59.9981, 66.4903



37.6374, 24.8698, 18.4414

# 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.



72.3031, 59.9981, 43.6678



42.0689, 59.9981, 66.4903



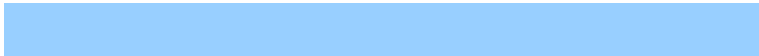
72.7768, 59.9981, 90.6620

# Square

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



42.0689, 59.9981, 66.4903



57.4309, 59.9981, 124.8797



75.1655, 59.9981, 64.1788



56.6238, 59.9981, 28.5558



# Rectangle

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



42.0689, 59.9981, 66.4903



47.3384, 59.9981, 109.6621



75.1655, 59.9981, 64.1788



67.9534, 59.9981, 34.9156

# Sweetspot

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



42.0706, 60.0004, 66.4917



79.0248, 91.8667, 102.3671



35.6816, 57.7376, 19.6209



16.4378, 19.4218, 21.6926



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.



42.0706, 60.0004, 66.4917



52.7486, 78.6644, 85.6170



34.3592, 40.4883, 76.5278



14.0219, 15.5345, 17.1506



20.9471, 33.2037, 33.7741



1.4766, 2.3114, 2.4709



# Inverse Universe

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



37.6374, 24.8698, 18.4414



46.3453, 27.4926, 15.8954



41.6166, 34.4362, 14.8104



13.7921, 13.7345, 14.6755



18.0895, 9.3028, 1.8710

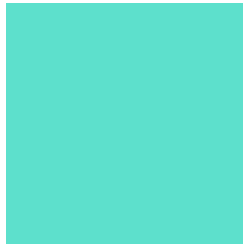


1.2808, 0.6556, 0.2715



# Previews

## White Background



This preview shows how the XYZ color 42.0689, 59.9981, 66.4903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

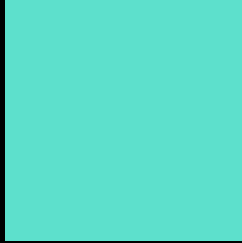
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0689, 59.9981, 66.4903 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

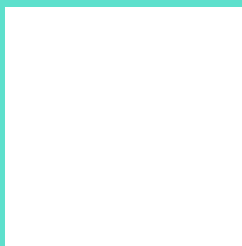
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.0689, 59.9981, 66.4903**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0689, 59.9981, 66.4903.



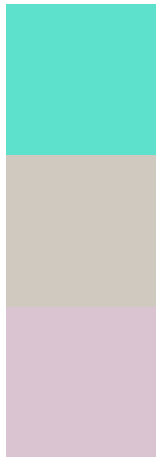
This preview shows how white text looks on a background with the XYZ color 42.0689, 59.9981,



# 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

42.0689, 59.9981, 66.4903

### Protanopia

56.3030, 58.9448, 57.7002

### Deuteranopia

60.2862, 59.0384, 69.1909



## Tritanopia

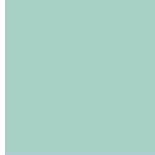
46.5614, 59.8416, 89.2173

# Trichromacy



## Original Color

42.0689, 59.9981, 66.4903



## Protanomaly

48.4902, 57.6934, 60.8048



## Deuteranomaly

50.6901, 57.5809, 68.1171



## Tritanomaly

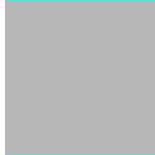
44.8139, 59.9158, 80.4371

# Monochromacy



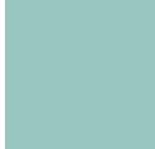
## Original Color

42.0689, 59.9981, 66.4903



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

42.1757, 50.6338, 56.8406

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0689, 59.9981, 66.4903 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(93, 224, 204)` looks like.

```
.text, #text, p{  
    color:rgb(93, 224, 204)  
}
```

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(93, 224, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 224, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0689, 59.9981, 66.4903 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(93, 224, 204) }
```



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

```
.border{ border-color:rgb(93, 224, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 224, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 224, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 224, 204);  
box-shadow:4px 4px 4px 4px rgb(93, 224,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0689, 59.9981, 66.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 224, 204) }
```

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

```
.background{ background-color: rgb(93, 224,  
204) }
```

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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