

# Converting Colors

XYZ(40.5310, 55.9682, 90.8714)

Have a look what the booklet for  
XYZ(40.5310, 55.9682, 90.8714)  
contains.

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# Color

**XYZ(40.5410, 55.9170,  
91.0944)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D9F0
RGB	0, 217, 240
RGB Percent	0%, 85%, 94%
CMY	0.9998, 0.1490, 0.0588
CMYK	1.00, 0.10, 0.00, 0.06
HSL	186°, 100%, 47%
HSV	186°, 100%, 94%
XYZ	40.5410, 55.9170, 91.0944
YIQ	154.7390, -136.7150, -38.8510

# Conversions

## Conversions Part 2

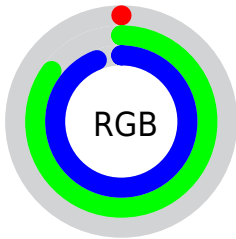
Format	Color
<a href="#">RYB</a>	0, 114, 240
Decimal	55792
CIELab	79.57, -35.55, -23.68
CIELCh	80, 42.716, 213.674
Yxy	55.9170, 0.2162, 0.2981
Android (android.graphics.Color)	4278245872 (0xFF00D9F0)
YUV	154.7390, 42.0337, -135.7061
Hunter-Lab	74.7777, -34.0865, -19.8829

# Details

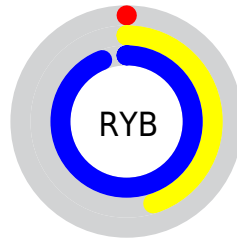
The XYZ color **40.5410, 55.9170, 91.0944** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **36.2436, 19.1408, 1.7861**, and the grayscale version is **30.9128, 32.5227, 35.4172**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.5721, 29.3014, 49.8662** is the 20% darker color. If you saturate the color by 10%, you get **40.5405, 55.9155, 91.0952**, and if you desaturate by 10%, it is **41.5173, 57.3078, 91.3125**.

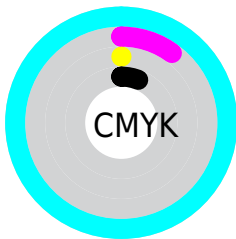
# Distribution



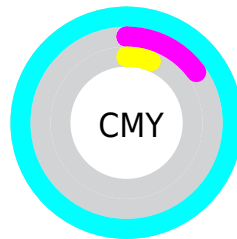
- Red (0%)
- Green (85%)
- Blue (94%)



- Red (0%)
- Yellow (45%)
- Blue (94%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (15%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5410, 55.9170, 91.0944 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 40.5410, 55.9170, 91.0944 by changing the saturation by 10% instead.



40.5410, 55.9170,  
91.0944

40.5410, 55.9170,  
91.0944

339.4940,  
409.3786, 552.2462

28.1467, 40.1364,  
68.3099

75.2657, 98.8832,  
150.8064

18.5773, 27.6449,  
49.6816

98.3269, 126.8376,  
188.5710

11.4674, 18.0581,  
34.7911

125.6744,  
159.6187, 232.1660

6.4518, 10.9917,  
23.2197

157.6735,  
197.6109, 282.0099

3.1649, 6.0613,  
14.5490

194.6897,  
241.1986, 338.5214

1.2416, 2.8824,  
8.3604

237.0883,

0.1388, 1.0706,

290.7662, 402.1189

4.2353

285.2346,  
346.6981, 473.2210

■ 0.0000, 0.0000,  
1.7553

■ 0.0000, 0.0000,  
0.3982

■ 40.5410, 55.9170,  
91.0944

■ 40.5410, 55.9170,  
91.0944

■ 40.5405, 55.9155,  
91.0952

■ 41.5173, 57.3078,  
91.3125

■ 42.9664, 58.9536,  
91.5538

■ 45.0355, 60.9314,  
91.8265

■ 47.8109, 63.2857,  
92.1346

■ 51.3654, 66.0541,  
92.4816

■ 55.7625, 69.2694,  
92.8705

■ 61.0592, 72.9610,  
93.3039

■ 67.3075, 77.1558,  
93.7842

■ 74.5553, 81.8785,  
94.3138

# Harmonies

## Analogous

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



38.2960, 55.9170, 63.9692



40.5410, 55.9170, 91.0944



46.1470, 55.9170, 113.9508

# Triad

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



40.5410, 55.9170, 91.0944



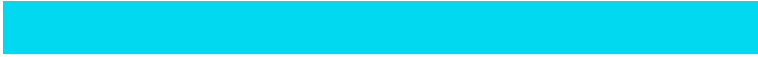
69.3867, 55.9170, 84.3906



52.0949, 55.9170, 24.8004

# Complementary

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



40.5410, 55.9170, 91.0944



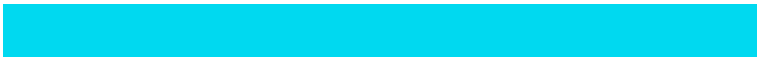
36.2436, 19.1408, 1.7861

# 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.



60.8223, 55.9170, 27.5407



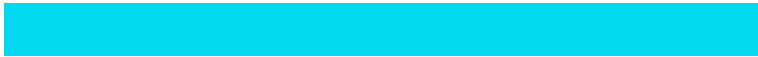
40.5410, 55.9170, 91.0944



71.4139, 55.9170, 57.8998

# Square

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



40.5410, 55.9170, 91.0944



62.8523, 55.9170, 109.4043



68.1288, 55.9170, 38.2220



44.4968, 55.9170, 29.3678

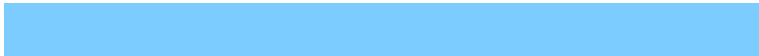


# Rectangle

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



40.5410, 55.9170, 91.0944



51.3464, 55.9170, 121.1167



68.1288, 55.9170, 38.2220



54.9901, 55.9170, 24.9055

# Sweetspot

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



40.5428, 55.9190, 91.0958



69.9903, 83.6747, 107.0697



31.2880, 62.3721, 11.0545



14.4039, 17.5122, 22.8710



0.0000, 0.0000, 0.0000

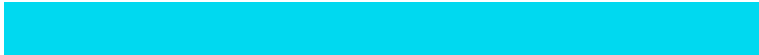


20.3446, 21.4041, 23.3091



# Same Dimension

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



40.5428, 55.9190, 91.0958



46.5024, 64.1247, 104.5341



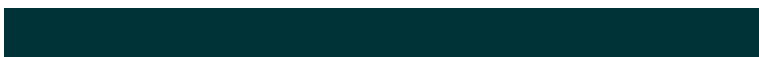
20.2899, 15.4132, 84.3448



16.1103, 17.6548, 20.2802



22.2464, 30.7170, 49.8843



1.8880, 2.6300, 4.1623



# Inverse Universe

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



48.4611, 23.5368, 67.6366



55.6014, 27.0046, 77.5563



45.3180, 37.2896, 4.8109



16.3851, 16.0038, 19.5843



26.5546, 12.8943, 37.1665



2.2279, 1.0802, 3.1911



# Previews

## White Background



This preview shows how the XYZ color 40.5410, 55.9170, 91.0944 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

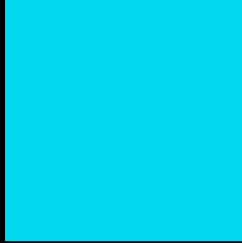
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.5410, 55.9170, 91.0944 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 40.5410, 55.9170, 91.0944

## Background



This preview shows how black text looks on a background with the XYZ color 40.5410, 55.9170, 91.0944.



This preview shows how white text looks on a background with the XYZ color 40.5410, 55.9170,



# 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

40.5410, 55.9170, 91.0944

### Protanopia

54.1176, 54.9670, 78.9915

### Deuteranopia

56.4705, 55.1719, 94.8617



## Tritanopia

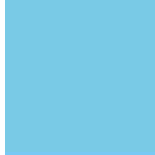
40.0668, 56.1410, 87.3218

# Trichromacy



## Original Color

40.5410, 55.9170, 91.0944



## Protanomaly

43.2886, 52.0192, 82.6221



## Deuteranomaly

44.9615, 52.2980, 93.3128



## Tritanomaly

40.3575, 56.2572, 88.8524

# Monochromacy



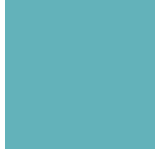
## Original Color

40.5410, 55.9170, 91.0944



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

29.9289, 38.0386, 52.2191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5410, 55.9170, 91.0944 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(0, 217, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 240)  
}
```

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(0, 217, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5410, 55.9170, 91.0944 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(0, 217, 240) }
```



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

```
.border{ border-color:rgb(0, 217, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5410, 55.9170, 91.0944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 240) }
```

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

```
.background{ background-color: rgb(0, 217,  
240) }
```

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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