

# Converting Colors

XYZ(41.1212, 54.1845, 88.1541)

Have a look what the booklet for  
XYZ(41.1212, 54.1845, 88.1541)  
contains.

<b>XYZ(41.0346, 53.9682, 88.3749)</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(41.0346, 53.9682,  
88.3749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45D3ED
RGB	69, 211, 237
RGB Percent	27%, 83%, 93%
CMY	0.7294, 0.1725, 0.0706
CMYK	0.71, 0.11, 0.00, 0.07
HSL	189°, 82%, 60%
HSV	189°, 71%, 93%
XYZ	41.0346, 53.9682, 88.3749
YIQ	171.5060, -92.9780, -22.0180

# Conversions

## Conversions Part 2

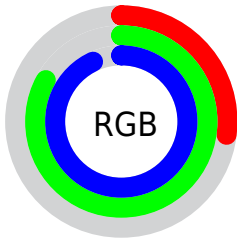
Format	Color
R <sub>YB</sub>	69, 146, 237
Decimal	4576237
CIE Lab	78.44, -29.19, -23.73
CIE LCh	78, 37.613, 219.111
Yxy	53.9682, 0.2238, 0.2943
Android (android.graphics.Color)	4282766317 (0xFF45D3ED)
YUV	171.5060, 32.2885, -89.8978
Hunter-Lab	73.4631, -28.8548, -19.9008

# Details

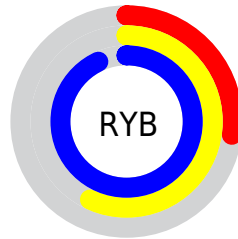
The XYZ color **41.0346, 53.9682, 88.3749** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.0931, 26.6207, 8.6573**, and the grayscale version is **38.8416, 40.8643, 44.5013**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **20.2290, 27.1131, 47.8832** is the 20% darker color. If you saturate the color by 10%, you get **38.7763, 51.4677, 88.0123**, and if you desaturate by 10%, it is **43.9880, 56.8601, 88.7784**.

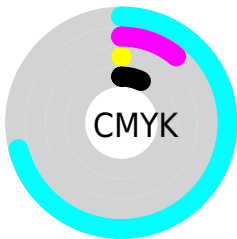
# Distribution



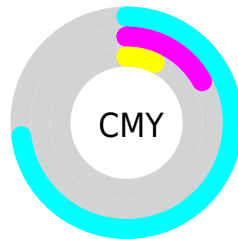
- Red (27%)
- Green (83%)
- Blue (93%)



- Red (27%)
- Yellow (57%)
- Blue (93%)



- Cyan (71%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (17%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0346, 53.9682, 88.3749 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 41.0346, 53.9682, 88.3749 by changing the saturation by 10% instead.



41.0346, 53.9682,  
88.3749

41.0346, 53.9682,  
88.3749

341.5253,  
401.9887, 543.1633

28.5339, 38.5762,  
66.0675

76.0108, 96.0276,  
146.9947

18.8710, 26.4302,  
47.8704

99.2170, 123.4637,  
184.1442

11.6806, 17.1458,  
33.3650

126.7224,  
155.6834, 227.0781

6.5972, 10.3385,  
22.1328

158.8924,  
193.0711, 276.2150

3.2556, 5.6240,  
13.7553

196.0924,  
236.0110, 331.9735

1.2903, 2.6178,  
7.8138

238.6876,

0.1760, 0.9356,

284.8877, 394.7719

3.8900

287.0435,  
340.0855, 465.0290

■ 0.0000, 0.0000,  
1.5652

■ 0.0000, 0.0000,  
0.2658

■ 41.0346, 53.9682,  
88.3749

■ 41.0346, 53.9682,  
88.3749

■ 38.7763, 51.4677,  
88.0123

■ 43.9880, 56.8601,  
88.7784


■ 37.1225, 49.3085,  
87.6827


■ 47.7029, 60.1745,  
89.2224


■ 36.0154, 47.5727,  
87.4060


■ 52.2433, 63.9457,  
89.7110


■ 57.6652, 68.2028,  
90.2470

 64.0194, 72.9722,  
90.8326

 71.3528, 78.2783,  
91.4703

 79.7093, 84.1438,  
92.1620

 87.7883, 89.8985,  
92.8470

 88.8811, 92.0841,  
93.2112

# Harmonies

## Analogous

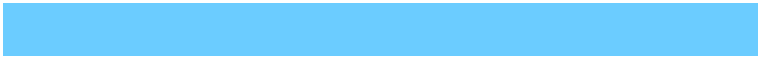
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4978, 53.9682, 65.4489



41.0346, 53.9682, 88.3749



46.3905, 53.9682, 105.6078

# Triad

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



41.0346, 53.9682, 88.3749



65.7590, 53.9682, 74.5105



49.0765, 53.9682, 27.0281

# Complementary

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



41.0346, 53.9682, 88.3749



40.0931, 26.6207, 8.6573

# 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.



56.5338, 53.9682, 28.3374



41.0346, 53.9682, 88.3749



66.6542, 53.9682, 52.5472

# Square

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



41.0346, 53.9682, 88.3749



60.7975, 53.9682, 96.3603



63.1376, 53.9682, 36.6357



42.8384, 53.9682, 32.4904

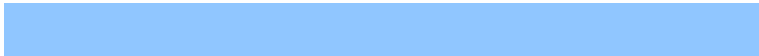


# Rectangle

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



41.0346, 53.9682, 88.3749



51.0748, 53.9682, 109.6064



63.1376, 53.9682, 36.6357



51.5161, 53.9682, 26.7261

# Sweetspot

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



41.0363, 53.9702, 88.3762



75.4315, 86.0458, 107.2406



34.7694, 62.6467, 20.8986



15.6773, 18.0706, 22.9116



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

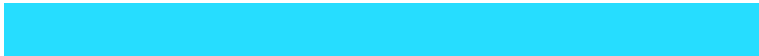


# Same Dimension

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



41.0363, 53.9702, 88.3762



44.8355, 59.5907, 103.7468



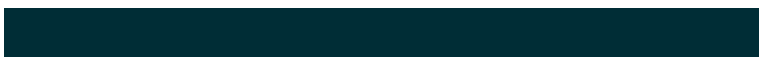
25.4354, 22.7684, 83.1759



15.3076, 16.7016, 19.3392



19.7419, 26.1307, 47.7462



1.6038, 2.1590, 3.7671



# Inverse Universe

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



48.8126, 26.9657, 64.2622



55.0531, 27.9070, 71.2103



51.9612, 50.3569, 12.6133



15.6088, 15.2714, 18.4913



24.8201, 12.1307, 31.1835

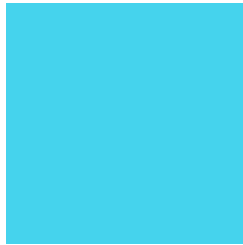


1.9760, 0.9634, 2.5910



# Previews

## White Background



This preview shows how the XYZ color 41.0346, 53.9682, 88.3749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

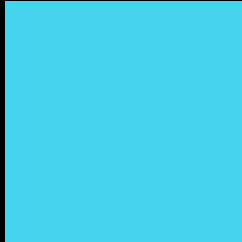
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.0346, 53.9682, 88.3749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

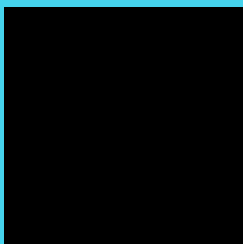
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

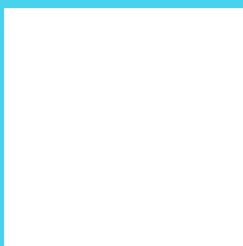
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.0346, 53.9682, 88.3749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0346, 53.9682, 88.3749.



This preview shows how white text looks on a background with the XYZ color 41.0346, 53.9682,



# 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

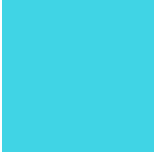
41.0346, 53.9682, 88.3749

### Protanopia

52.4436, 53.1541, 77.3077

### Deuteranopia

54.4743, 53.2451, 91.4106



## **Tritanopia**

39.8007, 53.8341, 82.4220

# Trichromacy



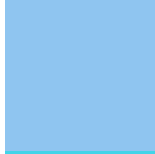
## Original Color

41.0346, 53.9682, 88.3749



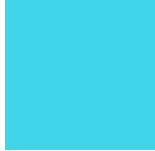
## Protanomaly

45.6993, 51.9189, 81.0115



## Deuteranomaly

47.0221, 52.0634, 90.0090



## Tritanomaly

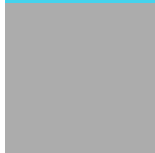
40.3557, 54.0714, 84.6538

# Monochromacy



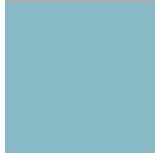
## Original Color

41.0346, 53.9682, 88.3749



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

37.5144, 44.2542, 58.7893

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0346, 53.9682, 88.3749 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(69, 211, 237)` looks like.

```
.text, #text, p{  
    color:rgb(69, 211, 237)  
}
```

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(69, 211, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 211, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0346, 53.9682, 88.3749 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(69, 211, 237) }
```



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

```
.border{ border-color:rgb(69, 211, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 211, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 211, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 211, 237);  
box-shadow:4px 4px 4px 4px rgb(69, 211,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0346, 53.9682, 88.3749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 211, 237) }
```

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

```
.background{ background-color: rgb(69, 211,  
237) }
```

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