

# Converting Colors

XYZ(33.5503, 40.4291, 83.1261)

Have a look what the booklet for  
XYZ(33.5503, 40.4291, 83.1261)  
contains.

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# Color

**XYZ(33.5503, 40.4291,  
83.1261)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	40B6E9
RGB	64, 182, 233
RGB Percent	25%, 71%, 91%
CMY	0.7490, 0.2863, 0.0863
CMYK	0.73, 0.22, 0.00, 0.09
HSL	198°, 79%, 58%
HSV	198°, 73%, 91%
XYZ	33.5503, 40.4291, 83.1261
YIQ	152.5320, -86.6990, -9.1550

# Conversions

## Conversions Part 2

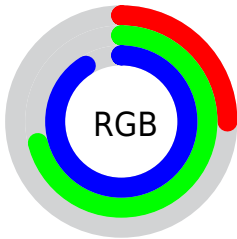
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 133, 233
Decimal	4241129
CIELab	69.77, -16.35, -34.91
CIElCh	70, 38.545, 244.899
Yxy	40.4291, 0.2136, 0.2573
Android (android.graphics.Color)	4282431209 (0xFF40B6E9)
YUV	152.5320, 39.6707, -77.6426
Hunter-Lab	63.5839, -17.0855, -33.0038

# Details

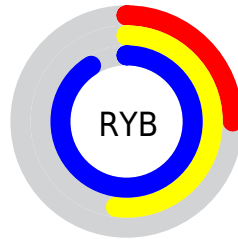
The XYZ color **33.5503, 40.4291, 83.1261** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **40.6623, 29.9580, 8.4916**, and the grayscale version is **29.9375, 31.4966, 34.2998**.

A 20% lighter version of the original color is **58.1403, 73.2746, 105.6868**, and **15.7861, 18.8748, 44.4062** is the 20% darker color. If you saturate the color by 10%, you get **30.9354, 36.9973, 82.6023**, and if you desaturate by 10%, it is **36.8727, 44.3344, 83.7056**.

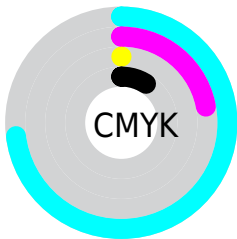
# Distribution



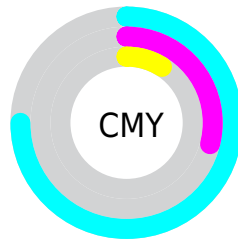
- Red (25%)
- Green (71%)
- Blue (91%)



- Red (25%)
- Yellow (52%)
- Blue (91%)



- Cyan (73%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (75%)
- Magenta (29%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5503, 40.4291, 83.1261 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 33.5503, 40.4291, 83.1261 by changing the saturation by 10% instead.



■ 33.5503, 40.4291,  
83.1261

■ 33.5503, 40.4291,  
83.1261

309.7435,  
347.9289, 525.3887

■ 22.7096, 27.8733,  
61.7530

■ 64.5827, 75.8165,  
139.6029

■ 14.4987, 18.2301,  
44.3986

■ 85.5051, 99.4168,  
175.5436

■ 8.5524, 11.1153,  
30.6445

■ 110.5187,  
127.4675, 217.1773

■ 4.5051, 6.1445,  
20.0721

■ 139.9890,  
160.3528, 264.9224

■ 1.9917, 2.9331,  
12.2629

174.2813,  
198.4572, 319.1976

■ 0.6293, 1.0969,  
6.7983

213.7609,

■ 0.0000, 0.0000,

242.1651, 380.4213

3.2597

258.7932,  
291.8608, 449.0122

■ 0.0000, 0.0000,  
1.2287

■ 0.0000, 0.0000,  
0.0023

■ 33.5503, 40.4291,  
83.1261

■ 33.5503, 40.4291,  
83.1261

■ 30.9354, 36.9973,  
82.6023

■ 36.8727, 44.3344,  
83.7056


■ 28.9381, 33.9890,  
82.1269


■ 40.9697, 48.7472,  
84.3414


■ 27.7494, 31.9657,  
81.7990


■ 45.9046, 53.7023,  
85.0377


■ 51.7327, 59.2297,  
85.7975

 58.5043, 65.3568,  
86.6232

 66.2660, 72.1089,  
87.5174

 75.0609, 79.5098,  
88.4824

 84.9296, 87.5816,  
89.5203

 88.6875, 92.6221,  
90.2951

# Harmonies

## Analogous

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



29.3882, 40.4291, 66.7961



33.5503, 40.4291, 83.1261



39.4622, 40.4291, 87.9922

# Triad

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



33.5503, 40.4291, 83.1261



51.6884, 40.4291, 41.1459



31.9524, 40.4291, 21.3947

# Complementary

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



33.5503, 40.4291, 83.1261



40.6623, 29.9580, 8.4916

# 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.



37.4094, 40.4291, 17.8606



33.5503, 40.4291, 83.1261



49.1508, 40.4291, 27.1180

# Square

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



33.5503, 40.4291, 83.1261



50.3702, 40.4291, 60.2962



43.7540, 40.4291, 19.6286



28.5382, 40.4291, 30.9736



# Rectangle

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



33.5503, 40.4291, 83.1261



43.7121, 40.4291, 83.2045



43.7540, 40.4291, 19.6286



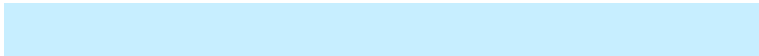
33.5854, 40.4291, 19.5987

# Sweetspot

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



33.5517, 40.4305, 83.1271



72.1715, 80.5381, 106.3493



34.3321, 60.5999, 26.0194



14.9347, 16.7820, 22.7021



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.



33.5517, 40.4305, 83.1271



36.6756, 43.5330, 101.0774



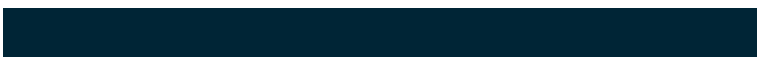
21.1732, 15.6734, 79.0009



15.1117, 16.3099, 19.2739



15.8592, 18.3654, 46.4520



1.3291, 1.6096, 3.6755



# Inverse Universe

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



43.8824, 24.3694, 46.6482



50.8704, 25.9890, 49.9397



55.0006, 58.6346, 13.2710



15.5099, 15.2318, 17.9706



22.8603, 11.3468, 20.8635

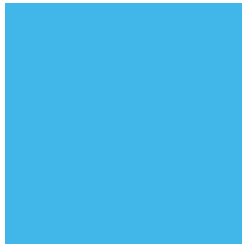


1.8374, 0.9079, 1.8609



# Previews

## White Background



This preview shows how the XYZ color 33.5503, 40.4291, 83.1261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

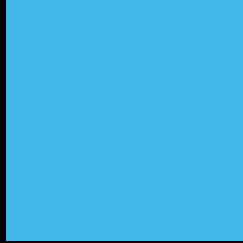
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.5503, 40.4291, 83.1261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

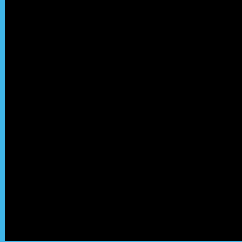
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

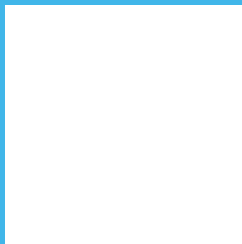
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 33.5503, 40.4291, 83.1261

## Background



This preview shows how black text looks on a background with the XYZ color 33.5503, 40.4291, 83.1261.



This preview shows how white text looks on a background with the XYZ color 33.5503, 40.4291,



# 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

33.5503, 40.4291, 83.1261

### Protanopia

40.3300, 39.7814, 74.6602

### Deuteranopia

40.8131, 39.8046, 84.8888



## Tritanopia

29.3865, 40.2838, 62.7266

# Trichromacy



## Original Color

33.5503, 40.4291, 83.1261

## Protanomaly

36.3651, 39.0610, 77.5744

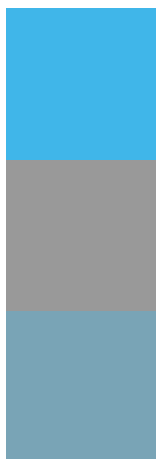
## Deuteranomaly

36.9504, 39.2162, 84.2193

## Tritanomaly

30.7055, 40.1813, 69.7558

# Monochromacy



## Original Color

33.5503, 40.4291, 83.1261

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

29.6041, 33.9933, 49.2570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.5503, 40.4291, 83.1261 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(64, 182, 233)` looks like.

```
.text, #text, p{  
    color:rgb(64, 182, 233)  
}
```

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(64, 182, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 182, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 33.5503, 40.4291, 83.1261 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(64, 182, 233) }
```



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

```
.border{ border-color:rgb(64, 182, 233) }
```

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

Here you see how a box with a 4 pixel rgb(64, 182, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 182, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 182, 233);  
box-shadow:4px 4px 4px 4px rgb(64, 182,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.5503, 40.4291, 83.1261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 182, 233) }
```

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

```
.background{ background-color: rgb(64, 182,  
233) }
```

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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