

# Converting Colors

XYZ(44.4540, 65.3542, 78.0742)

Have a look what the booklet for  
XYZ(44.4540, 65.3542, 78.0742)  
contains.

<b>XYZ(44.5511, 65.5761, 78.0195)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.5511, 65.5761,  
78.0195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DEBDC
RGB	61, 235, 220
RGB Percent	24%, 92%, 86%
CMY	0.7607, 0.0784, 0.1372
CMYK	0.74, 0.00, 0.06, 0.08
HSL	175°, 81%, 58%
HSV	175°, 74%, 92%
XYZ	44.5511, 65.5761, 78.0195
YIQ	181.2640, -98.8890, -41.5530

# Conversions

## Conversions Part 2

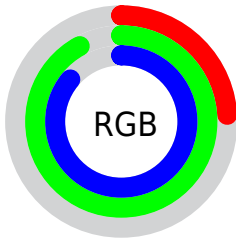
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 152, 235
Decimal	4058076
CIELab	84.78, -46.00, -5.21
CIELCh	85, 46.292, 186.463
Yxy	65.5761, 0.2368, 0.3485
Android (android.graphics.Color)	4282248156 (0xFF3DEBDC)
YUV	181.2640, 19.0968, -105.4715
Hunter-Lab	80.9791, -43.5106, -0.4378

# Details

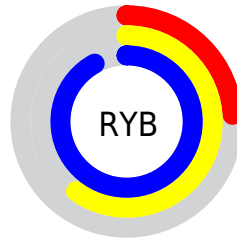
The XYZ color **44.5511, 65.5761, 78.0195** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **37.2365, 21.5235, 9.0318**, and the grayscale version is **44.0046, 46.2963, 50.4167**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **22.7119, 34.5574, 41.0705** is the 20% darker color. If you saturate the color by 10%, you get **43.1425, 64.8822, 76.5625**, and if you desaturate by 10%, it is **46.6001, 66.6027, 79.5264**.

# Distribution



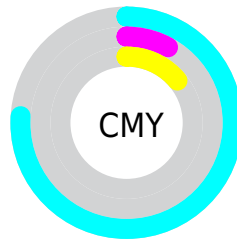
- Red (24%)
- Green (92%)
- Blue (86%)



- Red (24%)
- Yellow (60%)
- Blue (92%)



- Cyan (74%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (76%)
- Magenta (8%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5511, 65.5761, 78.0195 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 44.5511, 65.5761, 78.0195 by changing the saturation by 10% instead.



44.5511, 65.5761,  
78.0195

44.5511, 65.5761,  
78.0195

355.7668,  
444.8593, 507.7627

31.3038, 47.9284,  
57.5735

81.2876, 112.8777,  
132.3637

20.9832, 33.7702,  
41.0534

105.5075,  
143.3004, 167.0990

13.2241, 22.7171,  
28.0408

134.1156,  
178.7501, 207.4344

7.6611, 14.3847,  
18.1171

167.4772,  
219.6114, 253.7885

3.9289, 8.3887,  
10.8638

205.9578,  
266.2686, 306.5799

1.6620, 4.3447,  
5.8623

249.9227,

0.4323, 1.8682,

319.1060, 366.2270

2.6941

299.7373,  
378.5081, 433.1484

■ 0.0000, 0.5291,  
0.9405

■ 0.0000, 0.0000,  
0.0000

■ 44.5511, 65.5761,  
78.0195

■ 44.5511, 65.5761,  
78.0195

■ 43.1425, 64.8822,  
76.5625

■ 46.6001, 66.6027,  
79.5264


■ 42.2787, 64.4674,  
75.1464


■ 49.3571, 67.9924,  
81.0820


■ 41.9419, 64.3117,  
74.3186


■ 52.8875, 69.7805,  
82.6909


■ 57.2478, 71.9959,  
84.3558

 62.4890, 74.6652,  
86.0791

 68.6582, 77.8124,  
87.8631

 75.7991, 81.4602,  
89.7100

 83.9524, 85.6295,  
91.6216

 86.4170, 86.8658,  
93.2844

# Harmonies

## Analogous

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



45.7864, 65.5761, 50.9506



44.5511, 65.5761, 78.0195



47.6369, 65.5761, 110.9699

# Triad

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



44.5511, 65.5761, 78.0195



74.9362, 65.5761, 127.8329



70.6289, 65.5761, 30.8205

# Complementary

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



44.5511, 65.5761, 78.0195



37.2365, 21.5235, 9.0318

# 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.



79.7663, 65.5761, 42.5724



44.5511, 65.5761, 78.0195



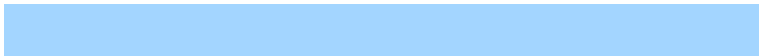
82.4395, 65.5761, 96.7009

# Square

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



44.5511, 65.5761, 78.0195



64.5981, 65.5761, 144.4412



84.2982, 65.5761, 65.1682



60.1119, 65.5761, 28.3831

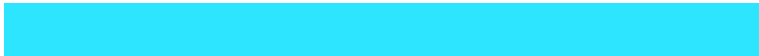


# Rectangle

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



44.5511, 65.5761, 78.0195



51.9548, 65.5761, 130.3134



84.2982, 65.5761, 65.1682



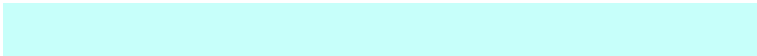
73.9977, 65.5761, 33.6151

# Sweetspot

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



44.5530, 65.5786, 78.0211



76.5676, 90.5608, 104.0209



33.7276, 61.3929, 14.4889



15.9850, 19.1780, 22.1415



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.



44.5530, 65.5786, 78.0211



51.2982, 77.7907, 91.2363



30.4497, 34.0480, 83.5671



15.4584, 17.0982, 19.0967



23.3657, 35.8007, 41.4862



1.8513, 2.8178, 3.3446



# Inverse Universe

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



37.2365, 21.5235, 9.0318



42.1821, 22.3031, 4.8369



43.1685, 34.1274, 8.7285



15.1182, 15.0751, 15.9077



19.1584, 9.8661, 1.3697

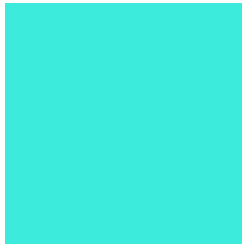


1.5226, 0.7820, 0.2033



# Previews

## White Background



This preview shows how the XYZ color 44.5511, 65.5761, 78.0195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

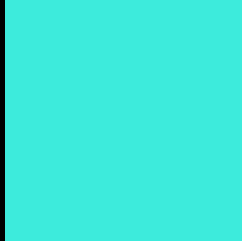
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.5511, 65.5761, 78.0195 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

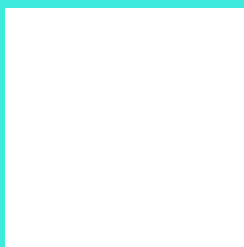
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 44.5511, 65.5761, 78.0195

## Background



This preview shows how black text looks on a background with the XYZ color 44.5511, 65.5761, 78.0195.



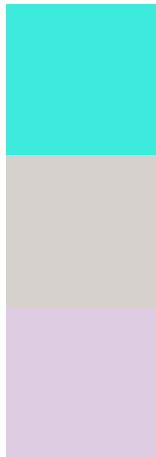
This preview shows how white text looks on a background with the XYZ color 44.5511, 65.5761,



# 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

44.5511, 65.5761, 78.0195

### Protanopia

61.8442, 64.4558, 66.9393

### Deuteranopia

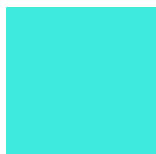
65.5822, 64.2614, 81.6202



## Tritanopia

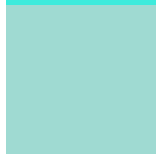
48.8992, 65.6536, 99.7177

# Trichromacy



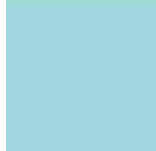
## Original Color

44.5511, 65.5761, 78.0195



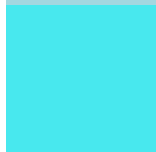
## Protanomaly

51.0023, 62.1669, 70.2841



## Deuteranomaly

52.8592, 61.7692, 79.6577



## Tritanomaly

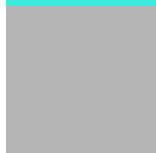
46.9617, 65.2640, 91.0110

# Monochromacy



## Original Color

44.5511, 65.5761, 78.0195



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

41.0535, 51.0318, 59.3161

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5511, 65.5761, 78.0195 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(61, 235, 220)` looks like.

```
.text, #text, p{  
    color:rgb(61, 235, 220)  
}
```

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(61, 235, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 235, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5511, 65.5761, 78.0195 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(61, 235, 220) }
```



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

```
.border{ border-color:rgb(61, 235, 220) }
```

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

Here you see how a box with a 4 pixel rgb(61, 235, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 235, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 235, 220);  
box-shadow:4px 4px 4px 4px rgb(61, 235,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5511, 65.5761, 78.0195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 235, 220) }
```

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

```
.background{ background-color: rgb(61, 235,  
220) }
```

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