

# Converting Colors

XYZ(23.5093, 55.7452, 40.3229)

Have a look what the booklet for  
XYZ(23.5093, 55.7452, 40.3229)  
contains.

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# Color

**XYZ(35.6247, 61.7832,  
41.0581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00EB9B
RGB	0, 235, 155
RGB Percent	0%, 92%, 61%
CMY	0.9999, 0.0784, 0.3921
CMYK	1.00, 0.00, 0.34, 0.08
HSL	160°, 100%, 46%
HSV	160°, 100%, 92%
XYZ	35.6247, 61.7832, 41.0581
YIQ	155.6150, -114.3800, -74.7000

# Conversions

## Conversions Part 2

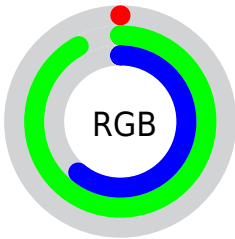
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 142, 235
Decimal	60315
CIELab	82.80, -65.35, 25.85
CIELCh	83, 70.278, 158.419
Yxy	61.7832, 0.2573, 0.4462
Android (android.graphics.Color)	4278250395 (0xFF00EB9B)
YUV	155.6150, -0.3032, -136.4744
Hunter-Lab	78.6023, -56.6529, 24.0513

# Details

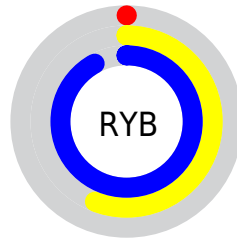
The XYZ color **35.6247, 61.7832, 41.0581** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **35.7113, 18.2429, 9.2332**, and the grayscale version is **31.4701, 33.1090, 36.0557**.

A 20% lighter version of the original color is **53.8233, 79.4881, 73.4787**, and **18.3686, 32.8201, 18.1987** is the 20% darker color. If you saturate the color by 10%, you get **35.6254, 61.7852, 41.0561**, and if you desaturate by 10%, it is **36.6860, 62.2517, 44.7341**.

# Distribution



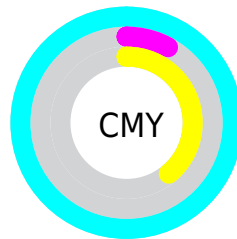
- Red (0%)
- Green (92%)
- Blue (61%)



- Red (0%)
- Yellow (56%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6247, 61.7832, 41.0581 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 35.6247, 61.7832, 41.0581 by changing the saturation by 10% instead.





 35.6247, 61.7832,  
41.0581


 35.6247, 61.7832,  
41.0581


318.7771,  
431.1398, 366.2472


 24.3132, 44.8575,  
28.0444


 67.7801, 107.4121,  
78.0267


 15.6921, 31.3452,  
18.1198


 89.3547, 136.8842,  
102.8187


 9.3960, 20.8619,  
10.8657


 115.0811,  
171.3072, 132.3740

 5.0596, 13.0231,  
5.8636

 145.3246,  
211.0655, 167.1110

 2.3174, 7.4444,  
2.6949

 180.4506,  
256.5435, 207.4483

 0.8035, 3.7416,  
0.9408

220.8245,

 0.0000, 1.5301,

308.1257, 253.8044

0.0000

266.8115,  
366.1963, 306.5978

■ 0.0000, 0.3098,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.6247, 61.7832,  
41.0581

■ 35.6247, 61.7832,  
41.0581

■ 35.6254, 61.7852,  
41.0561

■ 36.6860, 62.2517,  
44.7341

■ 38.2339, 62.9642,  
48.6684

■ 40.4104, 63.9954,  
52.8731

■ 43.2983, 65.3880,  
57.3562

■ 46.9674, 67.1777,  
62.1251

■ 51.4787, 69.3960,  
67.1865

■ 56.8870, 72.0710,  
72.5467

■ 63.2424, 75.2285,  
78.2120

■ 70.5911, 78.8923,  
84.1880

# Harmonies

## Analogous

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



42.4463, 61.7832, 20.8508



35.6247, 61.7832, 41.0581



34.4029, 61.7832, 80.2129

# Triad

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



35.6247, 61.7832, 41.0581



63.0833, 61.7832, 187.8260



84.5736, 61.7832, 27.6626

# Complementary

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



35.6247, 61.7832, 41.0581



35.7113, 18.2429, 9.2332

# 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.



92.4334, 61.7832, 55.8026



35.6247, 61.7832, 41.0581



78.7052, 61.7832, 155.8664

# Square

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



35.6247, 61.7832, 41.0581



48.6654, 61.7832, 178.2007



90.1190, 61.7832, 102.7797



70.0789, 61.7832, 15.7512



# Rectangle

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



35.6247, 61.7832, 41.0581



36.6852, 61.7832, 115.1871



90.1190, 61.7832, 102.7797



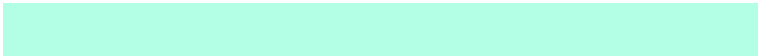
88.1833, 61.7832, 34.9167

# Sweetspot

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



35.6263, 61.7857, 41.0595



68.3716, 86.6989, 87.2267



33.2124, 61.2247, 10.0677



14.0167, 18.2512, 18.0762



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.



35.6263, 61.7857, 41.0595



42.8449, 74.3540, 49.2288



35.5942, 47.1945, 85.8336



15.2871, 17.0297, 18.1947



19.8885, 34.4099, 23.1756



1.6064, 2.7199, 2.0553



# Inverse Universe

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



35.7113, 18.2429, 9.2332



42.9528, 21.9451, 10.9497



34.8714, 18.8809, 1.8071



15.2771, 15.1387, 16.7444



19.9274, 10.1737, 5.4193

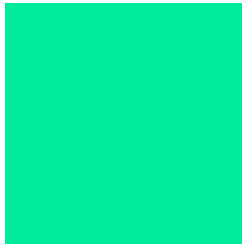


1.6084, 0.8163, 0.6550



# Previews

## White Background



This preview shows how the XYZ color 35.6247, 61.7832, 41.0581 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 35.6247, 61.7832, 41.0581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

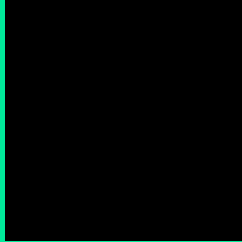
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 35.6247, 61.7832, 41.0581

## Background



This preview shows how black text looks on a background with the XYZ color 35.6247, 61.7832, 41.0581.



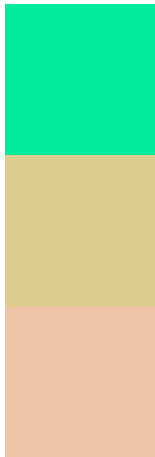
This preview shows how white text looks on a background with the XYZ color 35.6247, 61.7832,



# 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

35.6247, 61.7832, 41.0581

### Protanopia

56.2941, 60.5109, 34.3039

### Deuteranopia

61.7007, 60.3373, 43.5163



## Tritanopia

46.1623, 61.5160, 93.4452

# Trichromacy



## Original Color

35.6247, 61.7832, 41.0581



## Protanomaly

40.5514, 56.3702, 36.3470



## Deuteranomaly

42.2421, 55.2457, 42.1553



## Tritanomaly

40.7924, 60.8700, 70.5719

# Monochromacy



## Original Color

35.6247, 61.7832, 41.0581



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

28.4953, 39.7509, 37.6233

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6247, 61.7832, 41.0581 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, 235, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 155)  
}
```

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, 235, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6247, 61.7832, 41.0581 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, 235, 155) }
```



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

```
.border{ border-color:rgb(0, 235, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6247, 61.7832, 41.0581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 155) }
```

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

```
.background{ background-color: rgb(0, 235,  
155) }
```

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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