

Converting Colors

XYZ(32.2996, 61.4234, 45.6240)

Have a look what the booklet for
XYZ(32.2996, 61.4234, 45.6240)
contains.

XYZ(37.3661, 63.8657, 45.9552)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.3661, 63.8657,
45.9552)**

Conversions

Conversions Part 1

Format	Color
Hex	00EEA5
RGB	0, 238, 165
RGB Percent	0%, 93%, 65%
CMY	0.9999, 0.0667, 0.3529
CMYK	1.00, 0.00, 0.31, 0.07
HSL	162°, 100%, 47%
HSV	162°, 100%, 93%
XYZ	37.3661, 63.8657, 45.9552
YIQ	158.5160, -118.4150, -73.1590

Conversions

Conversions Part 2

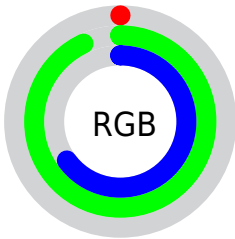
Format	Color
RYB	0, 141, 238
Decimal	61093
CIELab	83.90, -64.30, 22.21
CIELCh	84, 68.031, 160.943
Yxy	63.8657, 0.2539, 0.4339
Android (android.graphics.Color)	4278251173 (0xFF00EEA5)
YUV	158.5160, 3.1966, -139.0185
Hunter-Lab	79.9160, -56.3923, 21.8469

Details

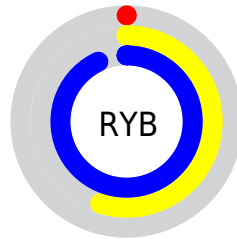
The XYZ color **37.3661, 63.8657, 45.9552** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **36.4652, 18.6600, 7.9890**, and the grayscale version is **32.7635, 34.4698, 37.5376**.

A 20% lighter version of the original color is **55.2338, 80.0668, 80.2535**, and **19.5045, 34.2400, 21.2038** is the 20% darker color. If you saturate the color by 10%, you get **37.3665, 63.8677, 45.9520**, and if you desaturate by 10%, it is **38.4239, 64.3337, 49.5752**.

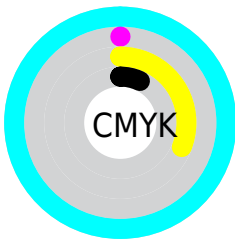
Distribution



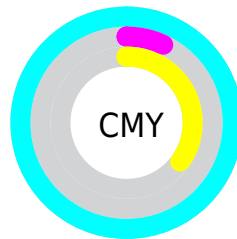
- Red (0%)
- Green (93%)
- Blue (65%)



- Red (0%)
- Yellow (55%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3661, 63.8657, 45.9552 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 37.3661, 63.8657, 45.9552 by changing the saturation by 10% instead.


 37.3661, 63.8657,
45.9552


 37.3661, 63.8657,
45.9552


326.2209,
438.7045, 386.9009

 25.6660, 46.5419,
31.8621


 70.4457, 110.4175,
85.4855

 16.7053, 32.6737,
20.9922


 92.5559, 140.4143,
111.7598


 10.1186, 21.8766,
12.9271


 118.8669,
175.4042, 142.9315

 5.5406, 13.7662,
7.2482

 149.7440,
215.7717, 179.4192

 2.6058, 7.9583,
3.5370

 185.5526,
261.9010, 221.6415

 0.9489, 4.0682,
1.3750

226.6581,

 0.0000, 1.7118,

314.1767, 270.0168

0.1221

273.4257,
372.9830, 324.9638

■ 0.0000, 0.4313,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3661, 63.8657,
45.9552

■ 37.3661, 63.8657,
45.9552

■ 37.3665, 63.8677,
45.9520

■ 38.4239, 64.3337,
49.5752

■ 39.9753, 65.0500,
53.4181

■ 42.1656, 66.0912,
57.4953

■ 45.0801, 67.5011,
61.8138

■ 48.7905, 69.3166,
66.3801

■ 53.3597, 71.5702,
71.1998

■ 58.8438, 74.2906,
76.2786

■ 65.2945, 77.5045,
81.6216

■ 72.7592, 81.2362,
87.2339

Harmonies

Analogous

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



43.7324, 63.8657, 24.0200



37.3661, 63.8657, 45.9552



36.6089, 63.8657, 86.3844

Triad

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



37.3661, 63.8657, 45.9552



66.3300, 63.8657, 185.8728



85.1327, 63.8657, 28.3112

Complementary

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



37.3661, 63.8657, 45.9552



36.4652, 18.6600, 7.9890

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.



93.5602, 63.8657, 55.0394



37.3661, 63.8657, 45.9552



81.5769, 63.8657, 152.1991

Square

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



37.3661, 63.8657, 45.9552



51.7845, 63.8657, 180.1216



92.1614, 63.8657, 100.0620



70.5896, 63.8657, 17.1126

Rectangle

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



37.3661, 63.8657, 45.9552



39.2181, 63.8657, 121.0972



92.1614, 63.8657, 100.0620



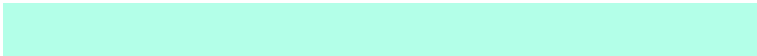
88.8748, 63.8657, 35.1915

Sweetspot

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



37.3678, 63.8682, 45.9567



68.7342, 86.8439, 89.1360



33.5081, 62.6630, 10.3300



14.1034, 18.2859, 18.5331



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.



37.3678, 63.8682, 45.9567



43.6734, 74.6853, 53.5913



34.8091, 44.9245, 87.7286



16.0289, 17.8416, 19.1749



20.9064, 35.6546, 25.9539



1.7834, 2.9838, 2.3919

Inverse Universe

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



36.4652, 18.6600, 7.9890



42.6232, 21.8133, 9.2140



36.1494, 19.9540, 1.9471



15.9724, 15.8387, 17.4111



20.3932, 10.4297, 4.7211



1.7393, 0.8848, 0.6181

Previews

White Background



This preview shows how the XYZ color 37.3661, 63.8657, 45.9552 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 37.3661, 63.8657, 45.9552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

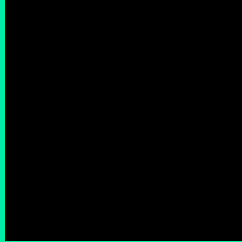
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3661, 63.8657, 45.9552

Background



This preview shows how black text looks on a background with the XYZ color 37.3661, 63.8657, 45.9552.



This preview shows how white text looks on a background with the XYZ color 37.3661, 63.8657,

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

37.3661, 63.8657, 45.9552

Protanopia

58.3302, 62.5480, 38.2768

Deuteranopia

63.6600, 62.2536, 48.7053



Tritanopia

47.7713, 63.8900, 97.0030

Trichromacy



Original Color

37.3661, 63.8657, 45.9552



Protanomaly

42.2275, 58.2939, 40.4787



Deuteranomaly

44.0938, 57.2042, 47.2456



Tritanomaly

42.7972, 63.4530, 75.6377

Monochromacy



Original Color

37.3661, 63.8657, 45.9552



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.7831, 41.3064, 40.1214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3661, 63.8657, 45.9552 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, 238, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 165)  
}
```

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, 238, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 165) }
```

Border

The CSS property to change the border of an element to XYZ 37.3661, 63.8657, 45.9552 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, 238, 165) }
```


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

```
.border{ border-color:rgb(0, 238, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 238, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3661, 63.8657, 45.9552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 238, 165) }
```

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

```
.background{ background-color: rgb(0, 238,  
165) }
```

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