

Converting Colors

XYZ(38.2490, 65.0145, 48.1515)

Have a look what the booklet for
XYZ(38.2490, 65.0145, 48.1515)
contains.

XYZ(38.3215, 65.1847, 48.0983)	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(38.3215, 65.1847,
48.0983)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0A9
RGB	0, 240, 169
RGB Percent	0%, 94%, 66%
CMY	0.9999, 0.0588, 0.3372
CMYK	1.00, 0.00, 0.30, 0.06
HSL	162°, 100%, 47%
HSV	162°, 100%, 94%
XYZ	38.3215, 65.1847, 48.0983
YIQ	160.1460, -120.2490, -72.9610

Conversions

Conversions Part 2

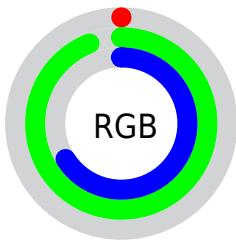
Format	Color
RYB	0, 141, 240
Decimal	61609
CIELab	84.58, -64.15, 21.09
CIELCh	85, 67.530, 161.799
Yxy	65.1847, 0.2528, 0.4300
Android (android.graphics.Color)	4278251689 (0xFF00F0A9)
YUV	160.1460, 4.3650, -140.4480
Hunter-Lab	80.7370, -56.5655, 21.1945

Details

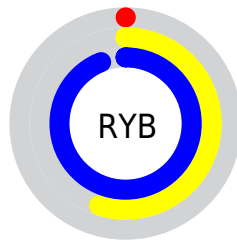
The XYZ color **38.3215, 65.1847, 48.0983** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **37.0751, 18.9819, 7.6764**, and the grayscale version is **33.5061, 35.2511, 38.3884**.

A 20% lighter version of the original color is **55.8966, 80.3466, 83.0834**, and **20.1444, 35.1513, 22.5528** is the 20% darker color. If you saturate the color by 10%, you get **38.3220, 65.1867, 48.0954**, and if you desaturate by 10%, it is **39.3853, 65.6557, 51.7249**.

Distribution



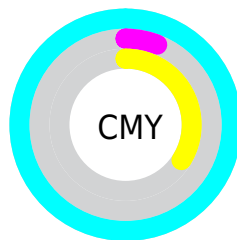
- Red (0%)
- Green (94%)
- Blue (66%)



- Red (0%)
- Yellow (55%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3215, 65.1847, 48.0983 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 38.3215, 65.1847, 48.0983 by changing the saturation by 10% instead.


 38.3215, 65.1847,
48.0983


 38.3215, 65.1847,
48.0983


330.2542,
443.4554, 395.7016


 26.4107, 47.6109,
33.5442


 71.9014, 112.3154,
88.7178


 17.2654, 33.5188,
22.2691


 94.3011, 142.6410,
115.6203


 10.5204, 22.5242,
13.8546


 120.9279,
177.9860, 147.4760

 5.8102, 14.2426,
7.8820

 152.1470,
218.7347, 184.7035

 2.7696, 8.2896,
3.9328

 188.3238,
265.2716, 227.7212

 1.0331, 4.2808,
1.5886

229.8237,

 0.0000, 1.8318,

317.9811, 276.9478

0.2826

277.0120,
377.2476, 332.8017

■ 0.0000, 0.5069,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3215, 65.1847,
48.0983

■ 38.3215, 65.1847,
48.0983

■ 38.3220, 65.1867,
48.0954

■ 39.3853, 65.6557,
51.7249

■ 40.9501, 66.3790,
55.5655

■ 43.1637, 67.4324,
59.6312

■ 46.1131, 68.8608,
63.9289

■ 49.8715, 70.7018,
68.4647

■ 54.5028, 72.9884,
73.2444

■ 60.0647, 75.7501,
78.2731

■ 66.6094, 79.0138,
83.5559

■ 74.1854, 82.8046,
89.0976

Harmonies

Analogous

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



44.5930, 65.1847, 25.3698



38.3215, 65.1847, 48.0983



37.7172, 65.1847, 89.3158

Triad

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



38.3215, 65.1847, 48.0983



68.0668, 65.1847, 187.0110



86.1430, 65.1847, 28.8127

Complementary

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



38.3215, 65.1847, 48.0983



37.0751, 18.9819, 7.6764

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.



94.8375, 65.1847, 55.3345



38.3215, 65.1847, 48.0983



83.3262, 65.1847, 152.4703

Square

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



38.3215, 65.1847, 48.0983



53.3457, 65.1847, 182.4760



93.7304, 65.1847, 100.1524



71.4465, 65.1847, 17.7526

Rectangle

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



38.3215, 65.1847, 48.0983



40.4634, 65.1847, 124.2465



93.7304, 65.1847, 100.1524



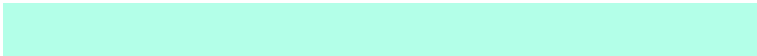
89.9641, 65.1847, 35.6351

Sweetspot

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



38.3232, 65.1873, 48.0998



68.8526, 86.8912, 89.7594



33.8355, 63.7011, 10.5131



14.1318, 18.2973, 18.6825



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.



38.3232, 65.1873, 48.0998



43.9527, 74.7971, 55.0622



34.5808, 43.9950, 89.1103



16.0365, 17.8446, 19.2150



21.0385, 35.7074, 26.6492



1.7936, 2.9879, 2.4455

Inverse Universe

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



37.0751, 18.9819, 7.6764



42.5254, 21.7741, 8.6987



36.9946, 20.6419, 2.0353



15.9652, 15.8358, 17.3730



20.3449, 10.4104, 4.4669



1.7345, 0.8829, 0.5930

Previews

White Background



This preview shows how the XYZ color 38.3215, 65.1847, 48.0983 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 38.3215, 65.1847, 48.0983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

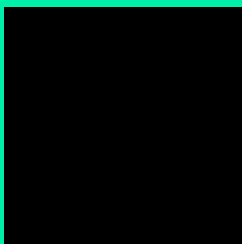
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

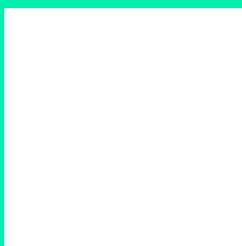
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3215, 65.1847, 48.0983

Background



This preview shows how black text looks on a background with the XYZ color 38.3215, 65.1847, 48.0983.

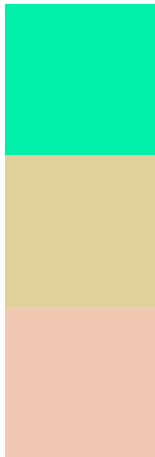


This preview shows how white text looks on a background with the XYZ color 38.3215, 65.1847,

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

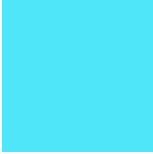
38.3215, 65.1847, 48.0983

Protanopia

59.4573, 63.8148, 40.1941

Deuteranopia

65.1982, 63.6884, 50.9763



Tritanopia

48.7040, 65.1387, 99.6286

Trichromacy



Original Color

38.3215, 65.1847, 48.0983



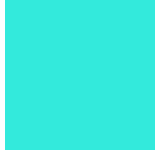
Protanomaly

43.2661, 59.5641, 42.4744



Deuteranomaly

45.1752, 58.4683, 49.4620



Tritanomaly

43.7063, 64.7168, 77.8982

Monochromacy



Original Color

38.3215, 65.1847, 48.0983



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.2879, 41.8643, 41.1346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3215, 65.1847, 48.0983 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, 240, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 169)  
}
```

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, 240, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.3215, 65.1847, 48.0983 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, 240, 169) }
```


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

```
.border{ border-color:rgb(0, 240, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3215, 65.1847, 48.0983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 169) }
```

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

```
.background{ background-color: rgb(0, 240,  
169) }
```

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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