

Converting Colors

XYZ(38.3752, 66.9863, 60.3922)

Have a look what the booklet for
XYZ(38.3752, 66.9863, 60.3922)
contains.

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Color

**XYZ(42.0564, 69.0664,
60.4048)**

Conversions

Conversions Part 1

Format	Color
Hex	00F5BF
RGB	0, 245, 191
RGB Percent	0%, 96%, 75%
CMY	0.9998, 0.0392, 0.2510
CMYK	1.00, 0.00, 0.22, 0.04
HSL	167°, 100%, 48%
HSV	167°, 100%, 96%
XYZ	42.0564, 69.0664, 60.4048
YIQ	165.5890, -128.6860, -68.7340

Conversions

Conversions Part 2

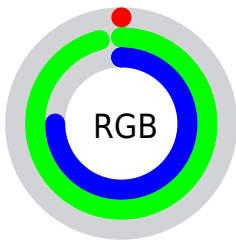
Format	Color
RYB	0, 138, 245
Decimal	62911
CIELab	86.54, -60.96, 12.45
CIELCh	87, 62.220, 168.456
Yxy	69.0664, 0.2452, 0.4027
Android (android.graphics.Color)	4278252991 (0xFF00F5BF)
YUV	165.5890, 12.5276, -145.2216
Hunter-Lab	83.1062, -55.1048, 15.0801

Details

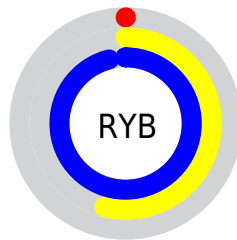
The XYZ color **42.0564, 69.0664, 60.4048** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **38.3249, 19.6808, 5.2742**, and the grayscale version is **36.0400, 37.9169, 41.2915**.

A 20% lighter version of the original color is **59.4879, 81.8128, 100.6518**, and **22.3578, 37.3756, 30.0806** is the 20% darker color. If you saturate the color by 10%, you get **42.0568, 69.0684, 60.4011**, and if you desaturate by 10%, it is **43.0531, 69.5119, 63.6135**.

Distribution



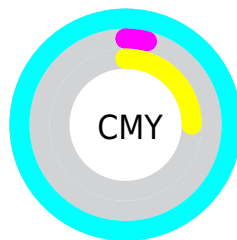
- Red (0%)
- Green (96%)
- Blue (75%)



- Red (0%)
- Yellow (54%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0564, 69.0664, 60.4048 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 42.0564, 69.0664, 60.4048 by changing the saturation by 10% instead.


 42.0564, 69.0664,
60.4048


 42.0564, 69.0664,
60.4048


345.7043,
457.2651, 443.9342

 29.3368, 50.7658,
43.3176


 77.5496, 117.8764,
106.9658


 19.4813, 36.0222,
29.8011


 101.0539,
149.1546, 137.2766

 12.1246, 24.4514,
19.4369


 128.8837,
185.5274, 172.8324

 6.9014, 15.6688,
11.8064

 161.4046,
227.3793, 214.0516

 3.4463, 9.2901,
6.4911

 198.9817,
275.0946, 261.3529

 1.3939, 4.9309,
3.0723

241.9804,

 0.2519, 2.2068,

329.0578, 315.1547

1.1317

290.7662,
389.6531, 375.8757

■ 0.0000, 0.7237,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0564, 69.0664,
60.4048

■ 42.0564, 69.0664,
60.4048

■ 42.0568, 69.0684,
60.4011

■ 43.0531, 69.5119,
63.6135

■ 44.5597, 70.2162,
66.9603

■ 46.7302, 71.2599,
70.4549

■ 49.6556, 72.6903,
74.1028

■ 53.4127, 74.5469,
77.9087

■ 58.0686, 76.8640,
81.8770

■ 63.6833, 79.6728,
86.0115

■ 70.3118, 83.0015,
90.3159

■ 78.0046, 86.8762,
94.7937

Harmonies

Analogous

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



47.0049, 69.0664, 33.8781



42.0564, 69.0664, 60.4048



42.7026, 69.0664, 103.2426

Triad

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



42.0564, 69.0664, 60.4048



74.8194, 69.0664, 178.4604



85.8023, 69.0664, 30.0538

Complementary

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



42.0564, 69.0664, 60.4048



38.3249, 19.6808, 5.2742

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.



95.6121, 69.0664, 52.7618



42.0564, 69.0664, 60.4048



88.6589, 69.0664, 141.1067

Square

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



42.0564, 69.0664, 60.4048



60.2522, 69.0664, 182.9049



96.7280, 69.0664, 92.2366



71.3515, 69.0664, 21.1493

Rectangle

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



42.0564, 69.0664, 60.4048



46.2404, 69.0664, 136.1788



96.7280, 69.0664, 92.2366



89.8375, 69.0664, 35.8410

Sweetspot

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



42.0583, 69.0691, 60.4064



69.6876, 87.2253, 94.1567



34.3525, 66.1830, 10.9652



14.3325, 18.3775, 19.7392



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.



42.0583, 69.0691, 60.4064



46.0439, 75.6336, 66.0743



32.7394, 39.1068, 92.2121



16.8312, 18.6916, 20.3953



22.7101, 37.2289, 32.8229



2.0337, 3.2871, 3.0833

Inverse Universe

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



38.3249, 19.6808, 5.2742



41.9591, 21.5476, 5.7166



39.5691, 23.2359, 2.4007



16.6487, 16.5423, 17.8965



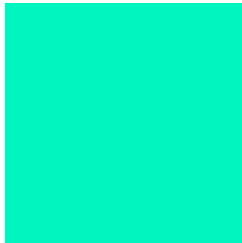
20.6870, 10.6183, 3.0604



1.8551, 0.9480, 0.4636

Previews

White Background



This preview shows how the XYZ color 42.0564, 69.0664, 60.4048 looks on a white background.

Color Contrast Check

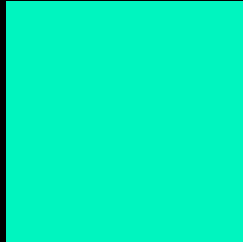
Large Text (above 18pt) WCAG AA × Fail

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 42.0564, 69.0664, 60.4048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

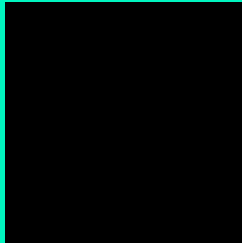
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0564, 69.0664, 60.4048

Background



This preview shows how black text looks on a background with the XYZ color 42.0564, 69.0664, 60.4048.



This preview shows how white text looks on a background with the XYZ color 42.0564, 69.0664,

Color Blindness Simulation

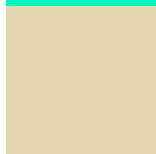
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.0564, 69.0664, 60.4048



Protanopia

63.5616, 67.5586, 50.7644



Deuteranopia

68.8973, 67.4499, 63.4207



Tritanopia

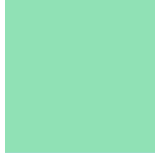
51.3537, 68.9164, 105.2033

Trichromacy



Original Color

42.0564, 69.0664, 60.4048



Protanomaly

46.7673, 63.1159, 53.4338



Deuteranomaly

48.9571, 62.4707, 61.7023



Tritanomaly

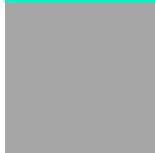
46.7972, 68.2630, 87.0535

Monochromacy



Original Color

42.0564, 69.0664, 60.4048



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.1968, 45.1895, 47.5302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0564, 69.0664, 60.4048 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, 245, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 191)  
}
```

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, 245, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 191) }
```

Border

The CSS property to change the border of an element to XYZ 42.0564, 69.0664, 60.4048 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, 245, 191) }
```


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

```
.border{ border-color:rgb(0, 245, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 245, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0564, 69.0664, 60.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 191) }
```

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

```
.background{ background-color: rgb(0, 245,  
191) }
```

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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