

Converting Colors

XYZ(24.0277, 56.6813, 41.0995)

Have a look what the booklet for
XYZ(24.0277, 56.6813, 41.0995)
contains.

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Color

**XYZ(36.2849, 62.9687,
41.6942)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED9C
RGB	0, 237, 156
RGB Percent	0%, 93%, 61%
CMY	0.9999, 0.0706, 0.3882
CMYK	1.00, 0.00, 0.34, 0.07
HSL	159°, 100%, 46%
HSV	159°, 100%, 93%
XYZ	36.2849, 62.9687, 41.6942
YIQ	156.9030, -115.2510, -75.4350

Conversions

Conversions Part 2

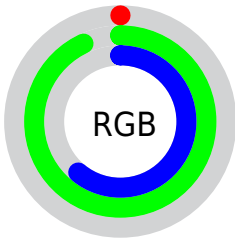
Format	Color
RYB	0, 143, 237
Decimal	60828
CIELab	83.43, -65.84, 26.19
CIELCh	83, 70.862, 158.310
Yxy	62.9687, 0.2574, 0.4468
Android (android.graphics.Color)	4278250908 (0xFF00ED9C)
YUV	156.9030, -0.4452, -137.6039
Hunter-Lab	79.3528, -57.2465, 24.3943

Details

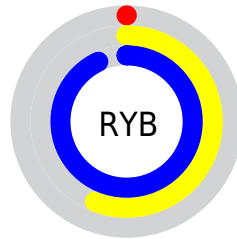
The XYZ color **36.2849, 62.9687, 41.6942** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **36.4127, 18.6001, 9.4600**, and the grayscale version is **32.0469, 33.7158, 36.7165**.

A 20% lighter version of the original color is **54.0734, 79.6027, 74.1429**, and **18.8199, 33.6420, 18.5983** is the 20% darker color. If you saturate the color by 10%, you get **36.2857, 62.9708, 41.6925**, and if you desaturate by 10%, it is **37.3656, 63.4455, 45.4477**.

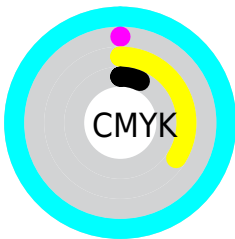
Distribution



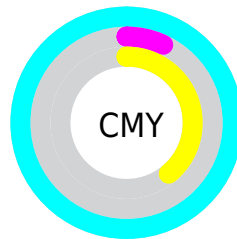
- Red (0%)
- Green (93%)
- Blue (61%)



- Red (0%)
- Yellow (56%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2849, 62.9687, 41.6942 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 36.2849, 62.9687, 41.6942 by changing the saturation by 10% instead.


 36.2849, 62.9687,
41.6942


 36.2849, 62.9687,
41.6942


321.6136,
435.4559, 368.9759


 24.8254, 45.8159,
28.5381


 68.7926, 109.1244,
79.0017

 16.0751, 32.1006,
18.4891


 90.5715, 138.8960,
103.9902


 9.6685, 21.4383,
11.1287

 116.5210,
173.6427, 133.7599

 5.2403, 13.4448,
6.0382

 147.0063,
213.7488, 168.7294

 2.4251, 7.7355,
2.7991

 182.3929,
259.5988, 209.3172

 0.8577, 3.9262,
0.9930

223.0461,

 0.0000, 1.6324,

311.5771, 255.9419

0.0000

269.3312,
370.0680, 309.0219

■ 0.0000, 0.3793,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2849, 62.9687,
41.6942

■ 36.2849, 62.9687,
41.6942

■ 36.2857, 62.9708,
41.6925

■ 37.3656, 63.4455,
45.4477

■ 38.9432, 64.1715,
49.4664

■ 41.1622, 65.2226,
53.7628

■ 44.1072, 66.6425,
58.3452

■ 47.8494, 68.4676,
63.2211

■ 52.4511, 70.7301,
68.3974

■ 57.9685, 73.4587,
73.8806

■ 64.4525, 76.6798,
79.6772

■ 71.9505, 80.4175,
85.7930

Harmonies

Analogous

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



43.2677, 62.9687, 21.1459



36.2849, 62.9687, 41.6942



35.0174, 62.9687, 81.5991

Triad

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



36.2849, 62.9687, 41.6942



64.2439, 62.9687, 191.8000



86.2987, 62.9687, 28.2070

Complementary

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



36.2849, 62.9687, 41.6942



36.4127, 18.6001, 9.4600

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.



94.2951, 62.9687, 56.9936



36.2849, 62.9687, 41.6942



80.2050, 62.9687, 159.2594

Square

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



36.2849, 62.9687, 41.6942



49.5342, 62.9687, 181.7989



91.8916, 62.9687, 105.0322



71.5066, 62.9687, 16.0179

Rectangle

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



36.2849, 62.9687, 41.6942



37.3326, 62.9687, 117.3055



91.8916, 62.9687, 105.0322



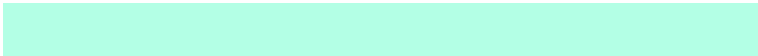
89.9770, 62.9687, 35.6282

Sweetspot

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



36.2865, 62.9712, 41.6957



68.3572, 86.6931, 87.1511



33.8496, 62.4081, 10.2625



14.0132, 18.2498, 18.0582



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.



36.2865, 62.9712, 41.6957



42.8130, 74.3412, 49.0605



36.2801, 48.1013, 87.4961



15.2862, 17.0293, 18.1900



19.8738, 34.4040, 23.0984



1.6054, 2.7195, 2.0497

Inverse Universe

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



36.4127, 18.6001, 9.4600



42.9668, 21.9507, 11.0234



35.5444, 19.2410, 1.8411



15.2779, 15.1390, 16.7489



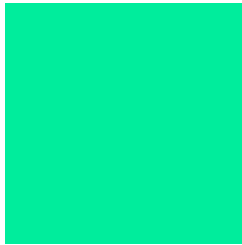
19.9341, 10.1763, 5.4543



1.6090, 0.8165, 0.6582

Previews

White Background



This preview shows how the XYZ color 36.2849, 62.9687, 41.6942 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 36.2849, 62.9687, 41.6942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

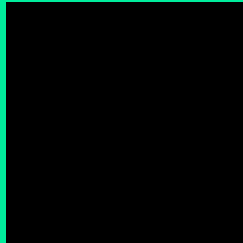
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2849, 62.9687, 41.6942

Background



This preview shows how black text looks on a background with the XYZ color 36.2849, 62.9687, 41.6942.

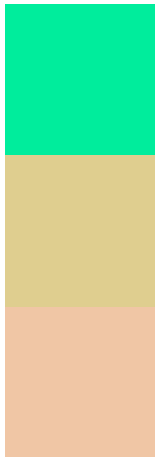


This preview shows how white text looks on a background with the XYZ color 36.2849, 62.9687,

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

36.2849, 62.9687, 41.6942

Protanopia

57.4607, 61.8138, 34.8893

Deuteranopia

62.9208, 61.6300, 44.1768



Tritanopia

47.0928, 62.7634, 95.2204

Trichromacy



Original Color

36.2849, 62.9687, 41.6942



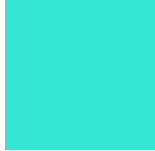
Protanomaly

41.3135, 57.5146, 36.9410



Deuteranomaly

43.2019, 56.4679, 42.8048



Tritanomaly

41.6487, 62.1040, 72.0795

Monochromacy



Original Color

36.2849, 62.9687, 41.6942



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.9002, 40.2615, 38.1463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2849, 62.9687, 41.6942 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, 237, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 156)  
}
```

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, 237, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 156) }
```

Border

The CSS property to change the border of an element to XYZ 36.2849, 62.9687, 41.6942 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, 237, 156) }
```


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

```
.border{ border-color:rgb(0, 237, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 237, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2849, 62.9687, 41.6942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 156) }
```

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

```
.background{ background-color: rgb(0, 237,  
156) }
```

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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