

Converting Colors

XYZ(34.1093, 62.5996, 28.5498)

Have a look what the booklet for
XYZ(34.1093, 62.5996, 28.5498)
contains.

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Color

**XYZ(34.1124, 62.5671,
28.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	02EE7A
RGB	2, 238, 122
RGB Percent	1%, 93%, 48%
CMY	0.9921, 0.0667, 0.5216
CMYK	0.99, 0.00, 0.49, 0.07
HSL	151°, 98%, 47%
HSV	151°, 99%, 93%
XYZ	34.1124, 62.5671, 28.6911
YIQ	154.2120, -103.4200, -86.1080

Conversions

Conversions Part 2

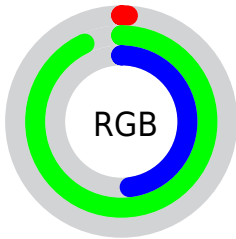
Format	Color
RYB	2, 158, 238
Decimal	192122
CIELab	83.21, -72.32, 42.84
CIELCh	83, 84.055, 149.360
Yxy	62.5671, 0.2721, 0.4991
Android (android.graphics.Color)	4278382202 (0xFF02EE7A)
YUV	154.2120, -15.8805, -133.4899
Hunter-Lab	79.0994, -61.4440, 33.8638

Details

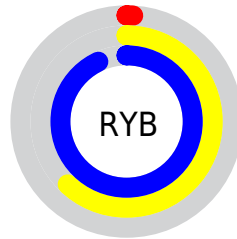
The XYZ color **34.1124, 62.5671, 28.6911** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark washed spring green. A complement of this color would be **38.5540, 19.5299, 18.8816**, and the grayscale version is **30.9111, 32.5209, 35.4153**.

A 20% lighter version of the original color is **50.1520, 78.0341, 53.4931**, and **17.4267, 33.0847, 11.2619** is the 20% darker color. If you saturate the color by 10%, you get **34.0277, 62.5322, 28.3700**, and if you desaturate by 10%, it is **35.2793, 63.0815, 32.7621**.

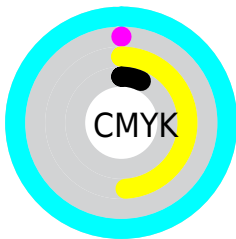
Distribution



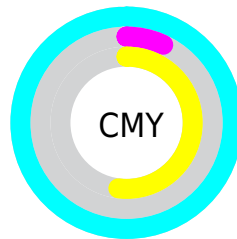
- Red (1%)
- Green (93%)
- Blue (48%)



- Red (1%)
- Yellow (62%)
- Blue (93%)



- Cyan (99%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)





- Cyan (99%)
- Magenta (7%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1124, 62.5671, 28.6911 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 34.1124, 62.5671, 28.6911 by changing the saturation by 10% instead.


 34.1124, 62.5671,
28.6911


 34.1124, 62.5671,
28.6911


312.2100,
433.9967, 309.7699


 23.1433, 45.4911,
18.6037


 65.4516, 108.5447,
58.6223


 14.8206, 31.8444,
11.2104


 86.5523, 138.2151,
79.3031


 8.7791, 21.2427,
6.0926


 111.7609,
172.8525, 104.3522

 4.6533, 13.3015,
2.8318

 141.4428,
212.8411, 134.1880

 2.0780, 7.6365,
1.0094

 175.9633,
258.5654, 169.2292

 0.6772, 3.8632,
0.0000

215.6878,

 0.0000, 1.5974,

310.4099, 209.8942

0.0000

260.9816,
368.7588, 256.6016

■ 0.0000, 0.3558,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1124, 62.5671,
28.6911

■ 34.1124, 62.5671,
28.6911

■ 34.0277, 62.5322,
28.3700

■ 35.2793, 63.0815,
32.7621

■ 37.0140, 63.8765,
37.3291

■ 39.4493, 65.0219,
42.4145

■ 42.6710, 66.5617,
48.0361

■ 46.7521, 68.5331,
54.2109

■ 51.7567, 70.9690,
60.9545

■ 57.7424, 73.8987,
68.2823

■ 64.7621, 77.3493,
76.2086

■ 72.8647, 81.3458,
84.7474

Harmonies

Analogous

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



43.8790, 62.5671, 12.7317



34.1124, 62.5671, 28.6911



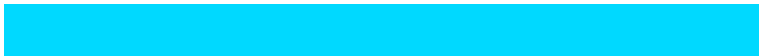
30.8444, 62.5671, 67.0097

Triad

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



34.1124, 62.5671, 28.6911



59.0775, 62.5671, 225.9675



95.5644, 62.5671, 29.7963

Complementary

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



34.1124, 62.5671, 28.6911



38.5540, 19.5299, 18.8816

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.



101.8748, 62.5671, 69.2525



34.1124, 62.5671, 28.6911



78.3710, 62.5671, 198.4877

Square

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



34.1124, 62.5671, 28.6911



43.3276, 62.5671, 196.2089



95.0282, 62.5671, 133.1930



79.1890, 62.5671, 13.1018

Rectangle

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



34.1124, 62.5671, 28.6911



32.1408, 62.5671, 107.1344



95.0282, 62.5671, 133.1930



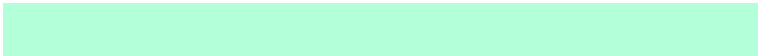
99.0653, 62.5671, 39.9617

Sweetspot

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



34.1140, 62.5696, 28.6925



66.8111, 86.0746, 79.0091



38.3337, 65.1495, 10.6125



13.6457, 18.1028, 16.1229



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.



34.1140, 62.5696, 28.6925



39.7661, 73.1225, 33.0161



46.0341, 67.3377, 91.4632



15.9013, 17.7905, 18.5031



19.0489, 34.9116, 16.1724



1.6350, 2.9244, 1.6101

Inverse Universe

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



38.5540, 19.5299, 18.8816



44.9638, 22.7495, 21.5390



35.2941, 18.2260, 1.7156



16.0967, 15.8884, 18.0653



21.5275, 10.8834, 10.6945



1.8410, 0.9255, 1.1538

Previews

White Background



This preview shows how the XYZ color 34.1124, 62.5671, 28.6911 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 34.1124, 62.5671, 28.6911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

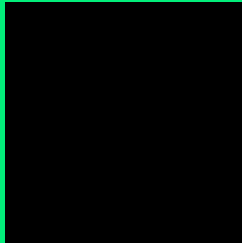
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1124, 62.5671, 28.6911

Background



This preview shows how black text looks on a background with the XYZ color 34.1124, 62.5671, 28.6911.

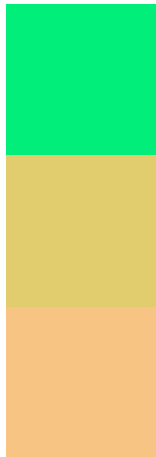


This preview shows how white text looks on a background with the XYZ color 34.1124, 62.5671,

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

34.1124, 62.5671, 28.6911

Protanopia

56.0098, 60.9572, 23.5657

Deuteranopia

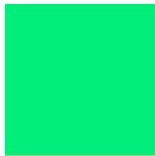
62.2626, 60.9200, 30.3069



Tritanopia

47.4173, 62.5456, 94.3674

Trichromacy



Original Color

34.1124, 62.5671, 28.6911



Protanomaly

39.5272, 56.8604, 24.8114



Deuteranomaly

41.2911, 55.4161, 28.9422



Tritanomaly

40.4093, 61.6470, 63.8021

Monochromacy



Original Color

34.1124, 62.5671, 28.6911



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.3770, 39.3036, 31.7346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1124, 62.5671, 28.6911 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(2, 238, 122)` looks like.

```
.text, #text, p{  
    color:rgb(2, 238, 122)  
}
```

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(2, 238, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 238, 122) }
```

Border

The CSS property to change the border of an element to XYZ 34.1124, 62.5671, 28.6911 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(2, 238, 122) }
```


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

```
.border{ border-color:rgb(2, 238, 122) }
```

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

Here you see how a box with a 4 pixel rgb(2, 238, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 238, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 238, 122);  
box-shadow:4px 4px 4px 4px rgb(2, 238,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1124, 62.5671, 28.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 238, 122) }
```

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

```
.background{ background-color: rgb(2, 238,  
122) }
```

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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