

Converting Colors

XYZ(34.8952, 66.1053, 22.9889)

Have a look what the booklet for
XYZ(34.8952, 66.1053, 22.9889)
contains.

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Color

**XYZ(34.9527, 66.2249,
22.9971)**

Conversions

Conversions Part 1

Format	Color
Hex	00F564
RGB	0, 245, 100
RGB Percent	0%, 96%, 39%
CMY	0.9999, 0.0392, 0.6078
CMYK	1.00, 0.00, 0.59, 0.04
HSL	144°, 100%, 48%
HSV	144°, 100%, 96%
XYZ	34.9527, 66.2249, 22.9971
YIQ	155.2150, -99.4750, -97.0350

Conversions

Conversions Part 2

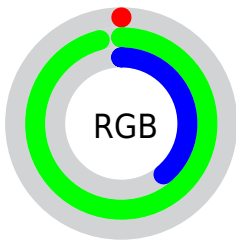
Format	Color
RYB	0, 174, 245
Decimal	62820
CIELab	85.11, -77.60, 55.22
CIELCh	85, 95.246, 144.564
Yxy	66.2249, 0.2815, 0.5333
Android (android.graphics.Color)	4278252900 (0xFF00F564)
YUV	155.2150, -27.2210, -136.1236
Hunter-Lab	81.3787, -65.7457, 40.2101

Details

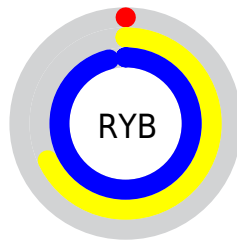
The XYZ color **34.9527, 66.2249, 22.9971** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **42.7698, 21.4583, 28.6816**, and the grayscale version is **31.4024, 33.0378, 35.9782**.

A 20% lighter version of the original color is **48.6158, 77.4640, 43.4001**, and **18.2440, 35.7301, 8.4177** is the 20% darker color. If you saturate the color by 10%, you get **34.9537, 66.2273, 22.9964**, and if you desaturate by 10%, it is **36.1088, 66.7343, 27.0486**.

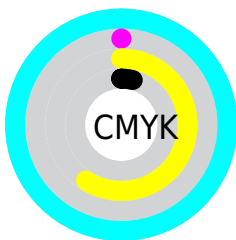
Distribution



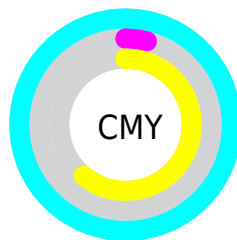
- Red (0%)
- Green (96%)
- Blue (39%)



- Red (0%)
- Yellow (68%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9527, 66.2249, 22.9971 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 34.9527, 66.2249, 22.9971 by changing the saturation by 10% instead.


 34.9527, 66.2249,
22.9971


 34.9527, 66.2249,
22.9971


315.8712,
447.1808, 280.8315


 23.7928, 48.4550,
14.3861


 66.7470, 113.8091,
49.3117


 15.3039, 34.1873,
8.2479

 88.1121, 144.3921,
67.8524


 9.1206, 23.0376,
4.1639


 113.6096,
180.0150, 90.5400

 4.8777, 14.6212,
1.7157

 143.6049,
221.0621, 117.7931

 2.2097, 8.5540,
0.3715

 178.4634,
267.9179, 150.0303

 0.7478, 4.4514,
0.0000

218.5503,

 0.0000, 1.9292,

320.9666, 187.6701

0.0000

264.2311,
380.5928, 231.1310

■ 0.0000, 0.5658,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.9527, 66.2249,
22.9971

■ 34.9527, 66.2249,
22.9971

■ 34.9537, 66.2273,
22.9964

■ 36.1088, 66.7343,
27.0486

■ 37.8839, 67.5458,
31.8119

■ 40.4370, 68.7426,
37.3258

■ 43.8647, 70.3738,
43.6228

■ 48.2484, 72.4809,
50.7336

■ 53.6600, 75.1002,
58.6866

■ 60.1640, 78.2646,
67.5092

■ 67.8194, 82.0040,
77.2272

■ 76.6810, 86.3460,
87.8654

Harmonies

Analogous

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



47.3007, 66.2249, 9.1816



34.9527, 66.2249, 22.9971



30.1519, 66.2249, 61.4802

Triad

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



34.9527, 66.2249, 22.9971



59.1155, 66.2249, 265.3609



108.4328, 66.2249, 33.2899

Complementary

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



34.9527, 66.2249, 22.9971



42.7698, 21.4583, 28.6816

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.



113.6135, 66.2249, 83.8942



34.9527, 66.2249, 22.9971



81.7060, 66.2249, 241.8622

Square

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



34.9527, 66.2249, 22.9971



41.9214, 66.2249, 217.6302



102.9109, 66.2249, 164.6326



90.0318, 66.2249, 12.3172

Rectangle

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



34.9527, 66.2249, 22.9971



30.8555, 66.2249, 106.0972



102.9109, 66.2249, 164.6326



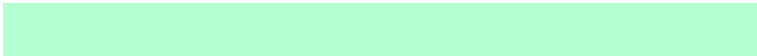
111.9313, 66.2249, 46.2842

Sweetspot

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



34.9543, 66.2276, 22.9986



65.8334, 85.6836, 73.8605



44.6879, 71.5112, 11.4482



13.4155, 18.0108, 14.9108



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.



34.9543, 66.2276, 22.9986



38.2625, 72.5210, 25.0981



45.6391, 70.5015, 79.2642



16.5626, 18.5842, 18.9808



18.8942, 35.7025, 12.7284



1.7103, 3.1578, 1.3801

Inverse Universe

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



42.7698, 21.4583, 28.6816



46.8198, 23.4919, 31.3129



37.8281, 19.4817, 2.6590



16.9107, 16.6471, 19.2765



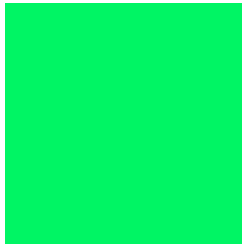
23.1102, 11.5875, 15.8205



2.0821, 1.0388, 1.6586

Previews

White Background



This preview shows how the XYZ color 34.9527, 66.2249, 22.9971 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 34.9527, 66.2249, 22.9971 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 34.9527, 66.2249, 22.9971

Background



This preview shows how black text looks on a background with the XYZ color 34.9527, 66.2249, 22.9971.

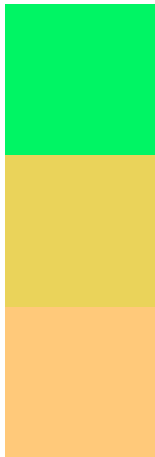


This preview shows how white text looks on a background with the XYZ color 34.9527, 66.2249,

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

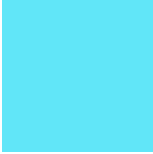
34.9527, 66.2249, 22.9971

Protanopia

59.0714, 64.8191, 19.0708

Deuteranopia

65.6395, 64.4384, 27.3906



Tritanopia

50.1699, 65.9123, 98.8851

Trichromacy



Original Color

34.9527, 66.2249, 22.9971



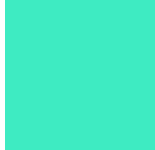
Protanomaly

40.8025, 59.9731, 20.0151



Deuteranomaly

42.7504, 58.5220, 24.9623



Tritanomaly

41.4325, 64.3358, 61.2733

Monochromacy



Original Color

34.9527, 66.2249, 22.9971



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.5020, 40.3684, 29.2640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9527, 66.2249, 22.9971 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 100) }
```

Border

The CSS property to change the border of an element to XYZ 34.9527, 66.2249, 22.9971 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, 100) }
```


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

```
.border{ border-color:rgb(0, 245, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9527, 66.2249, 22.9971 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, 100) }
```

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

```
.background{ background-color: rgb(0, 245,  
100) }
```

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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