

Converting Colors

XYZ(33.2714, 63.1647, 21.5048)

Have a look what the booklet for
XYZ(33.2714, 63.1647, 21.5048)
contains.

XYZ(33.2714, 63.1647, 21.5048)	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(33.2714, 63.1647,
21.5048)**

Conversions

Conversions Part 1

Format	Color
Hex	00F060
RGB	0, 240, 96
RGB Percent	0%, 94%, 38%
CMY	1.0000, 0.0588, 0.6235
CMYK	1.00, 0.00, 0.60, 0.06
HSL	144°, 100%, 47%
HSV	144°, 100%, 94%
XYZ	33.2714, 63.1647, 21.5048
YIQ	151.8240, -96.8160, -95.6640

Conversions

Conversions Part 2

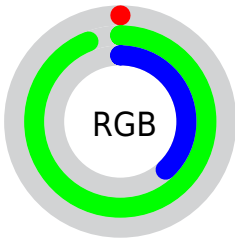
Format	Color
RYB	0, 171, 240
Decimal	61536
CIELab	83.53, -76.62, 55.13
CIELCh	84, 94.394, 144.265
Yxy	63.1647, 0.2821, 0.5356
Android (android.graphics.Color)	4278251616 (0xFF00F060)
YUV	151.8240, -27.5212, -133.1496
Hunter-Lab	79.4762, -64.3573, 39.5906

Details

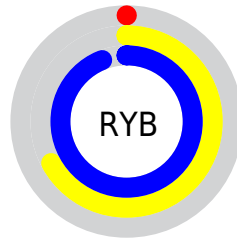
The XYZ color **33.2714, 63.1647, 21.5048** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **40.9713, 20.5400, 28.1937**, and the grayscale version is **29.9159, 31.4739, 34.2751**.

A 20% lighter version of the original color is **48.1560, 77.2651, 41.6537**, and **17.1110, 33.6091, 7.5928** is the 20% darker color. If you saturate the color by 10%, you get **33.2726, 63.1671, 21.5051**, and if you desaturate by 10%, it is **34.3748, 63.6515, 25.3419**.

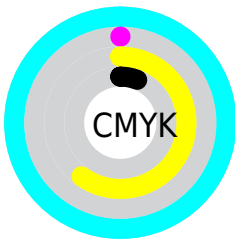
Distribution



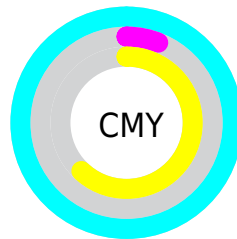
- Red (0%)
- Green (94%)
- Blue (38%)



- Red (0%)
- Yellow (67%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (6%)



- Cyan (100%)
- Magenta (6%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2714, 63.1647, 21.5048 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 33.2714, 63.1647, 21.5048 by changing the saturation by 10% instead.


 33.2714, 63.1647,
21.5048


 33.2714, 63.1647,
21.5048


308.5143,
436.1670, 272.8178

 22.4947, 45.9745,
13.2987


 64.1509, 109.4071,
46.8178


 14.3395, 32.2257,
7.5014


 84.9843, 139.2280,
64.7618

 8.4404, 21.5339,
3.6944


 109.9007,
174.0280, 86.7887

 4.4322, 13.5148,
1.4593

 139.2654,
214.1914, 113.3173

 1.9494, 7.7840,
0.1873

 173.4437,
260.1026, 144.7659

 0.6053, 3.9571,
0.0000

212.8011,

 0.0000, 1.6496,

312.1460, 181.5532

0.0000

257.7028,
370.7060, 224.0976

■ 0.0000, 0.3907,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2714, 63.1647,
21.5048

■ 33.2714, 63.1647,
21.5048

■ 33.2726, 63.1671,
21.5051

■ 34.3748, 63.6515,
25.3419

■ 36.0699, 64.4269,
29.8714

■ 38.5097, 65.5708,
35.1317

■ 41.7861, 67.1299,
41.1551

■ 45.9769, 69.1438,
47.9718

■ 51.1503, 71.6471,
55.6102

■ 57.3680, 74.6710,
64.0970

■ 64.6862, 78.2441,
73.4580

■ 73.1573, 82.3928,
83.7176

Harmonies

Analogous

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



45.1785, 63.1647, 8.5209



33.2714, 63.1647, 21.5048



28.6079, 63.1647, 58.0461

Triad

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



33.2714, 63.1647, 21.5048



56.1624, 63.1647, 254.7860



103.8959, 63.1647, 31.8833

Complementary

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



33.2714, 63.1647, 21.5048



40.9713, 20.5400, 28.1937

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.



108.7295, 63.1647, 80.7520



33.2714, 63.1647, 21.5048



77.8390, 63.1647, 232.8046

Square

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



33.2714, 63.1647, 21.5048



39.7380, 63.1647, 208.1604



98.2916, 63.1647, 158.6369



86.2828, 63.1647, 11.6618

Rectangle

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



33.2714, 63.1647, 21.5048



29.2368, 63.1647, 100.7031



98.2916, 63.1647, 158.6369



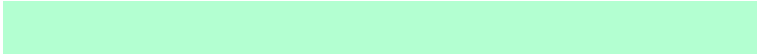
107.2158, 63.1647, 44.4291

Sweetspot

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



33.2729, 63.1673, 21.5062



65.7560, 85.6526, 73.4531



43.3751, 68.6190, 10.9589



13.3974, 18.0035, 14.8153



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.



33.2729, 63.1673, 21.5062



38.1582, 72.4793, 24.5486



43.0456, 67.0764, 72.9687



15.8278, 17.7612, 18.1163



18.2747, 34.6019, 12.0955



1.5681, 2.8977, 1.2581

Inverse Universe

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



40.9713, 20.5400, 28.1937



46.9899, 23.5600, 32.2087



36.1464, 18.6100, 2.7860



16.1710, 15.9181, 18.4568



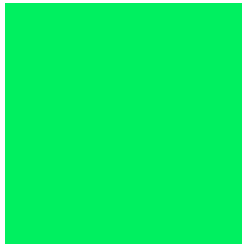
22.4947, 11.2703, 15.7877



1.9203, 0.9572, 1.5714

Previews

White Background



This preview shows how the XYZ color 33.2714, 63.1647, 21.5048 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 33.2714, 63.1647, 21.5048 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 33.2714, 63.1647, 21.5048

Background



This preview shows how black text looks on a background with the XYZ color 33.2714, 63.1647, 21.5048.

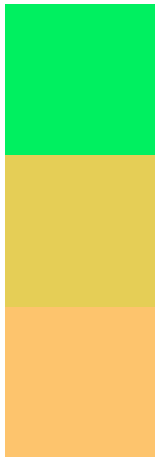


This preview shows how white text looks on a background with the XYZ color 33.2714, 63.1647,

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

33.2714, 63.1647, 21.5048

Protanopia

56.0641, 61.4725, 17.7146

Deuteranopia

63.0083, 61.4666, 23.0114



Tritanopia

47.8222, 62.7544, 94.3863

Trichromacy



Original Color

33.2714, 63.1647, 21.5048



Protanomaly

38.7709, 56.9920, 18.6300



Deuteranomaly

40.7401, 55.6635, 21.6936



Tritanomaly

39.4546, 61.2720, 58.4624

Monochromacy



Original Color

33.2714, 63.1647, 21.5048



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.2351, 38.4883, 27.8760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2714, 63.1647, 21.5048 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 96) }
```

Border

The CSS property to change the border of an element to XYZ 33.2714, 63.1647, 21.5048 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, 96) }
```


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

```
.border{ border-color:rgb(0, 240, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.2714, 63.1647, 21.5048 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, 96) }
```

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

```
.background{ background-color: rgb(0, 240,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor