

Converting Colors

XYZ(33.1469, 62.9737, 21.2844)

Have a look what the booklet for
XYZ(33.1469, 62.9737, 21.2844)
contains.

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Color

**XYZ(33.2256, 63.1464,
21.2638)**

Conversions

Conversions Part 1

Format	Color
Hex	00F05F
RGB	0, 240, 95
RGB Percent	0%, 94%, 37%
CMY	1.0000, 0.0588, 0.6274
CMYK	1.00, 0.00, 0.60, 0.06
HSL	144°, 100%, 47%
HSV	144°, 100%, 94%
XYZ	33.2256, 63.1464, 21.2638
YIQ	151.7100, -96.4950, -95.9750

Conversions

Conversions Part 2

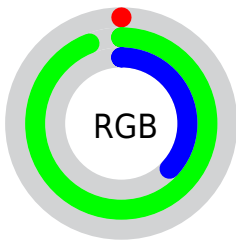
Format	Color
RYB	0, 172, 240
Decimal	61535
CIELab	83.52, -76.74, 55.55
CIELCh	84, 94.737, 144.101
Yxy	63.1464, 0.2824, 0.5368
Android (android.graphics.Color)	4278251615 (0xFF00F05F)
YUV	151.7100, -27.9580, -133.0497
Hunter-Lab	79.4647, -64.4292, 39.7600

Details

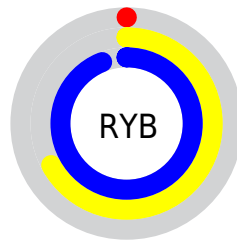
The XYZ color **33.2256, 63.1464, 21.2638** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **41.0477, 20.5705, 28.5964**, and the grayscale version is **29.8679, 31.4234, 34.2201**.

A 20% lighter version of the original color is **48.0751, 77.2327, 41.2277**, and **17.0942, 33.6024, 7.5044** is the 20% darker color. If you saturate the color by 10%, you get **33.2270, 63.1489, 21.2647**, and if you desaturate by 10%, it is **34.3257, 63.6319, 25.0839**.

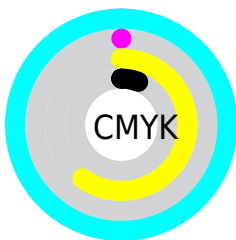
Distribution



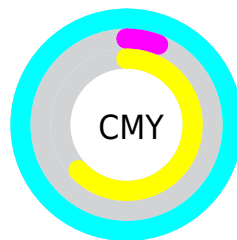
- Red (0%)
- Green (94%)
- Blue (37%)



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



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





- Cyan (100%)
- Magenta (6%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2256, 63.1464, 21.2638 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 33.2256, 63.1464, 21.2638 by changing the saturation by 10% instead.


 33.2256, 63.1464,
21.2638


 33.2256, 63.1464,
21.2638


308.3121,
436.1006, 271.5041


 22.4594, 45.9597,
13.1238


 64.0799, 109.3807,
46.4126


 14.3133, 32.2140,
7.3822


 84.8987, 139.1970,
64.2586


 8.4221, 21.5250,
3.6202


 109.7991,
173.9920, 86.1770

 4.4203, 13.5083,
1.4194

 139.1464,
214.1501, 112.5863

 1.9425, 7.7795,
0.1568

 173.3060,
260.0556, 143.9052

 0.6014, 3.9542,
0.0000

212.6433,

 0.0000, 1.6480,

312.0929, 180.5520

0.0000

257.5235,
370.6464, 222.9455

■ 0.0000, 0.3896,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2256, 63.1464,
21.2638

■ 33.2256, 63.1464,
21.2638

■ 33.2270, 63.1489,
21.2647

■ 34.3257, 63.6319,
25.0839

■ 36.0188, 64.4065,
29.6037

■ 38.4583, 65.5502,
34.8624

■ 41.7359, 67.1098,
40.8930

■ 45.9297, 69.1249,
47.7263

■ 51.1080, 71.6301,
55.3913

■ 57.3326, 74.6568,
63.9153

■ 64.6599, 78.2334,
73.3245

■ 73.1421, 82.3866,
83.6439

Harmonies

Analogous

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



45.2009, 63.1464, 8.3899



33.2256, 63.1464, 21.2638



28.5169, 63.1464, 57.7028

Triad

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



33.2256, 63.1464, 21.2638



56.0240, 63.1464, 255.6440



104.1276, 63.1464, 31.9477

Complementary

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



33.2256, 63.1464, 21.2638



41.0477, 20.5705, 28.5964

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.



108.8998, 63.1464, 81.1369



33.2256, 63.1464, 21.2638



77.7655, 63.1464, 233.9108

Square

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



33.2256, 63.1464, 21.2638



39.5910, 63.1464, 208.4216



98.3376, 63.1464, 159.4855



86.4855, 63.1464, 11.6114

Rectangle

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



33.2256, 63.1464, 21.2638



29.1225, 63.1464, 100.4019



98.3376, 63.1464, 159.4855



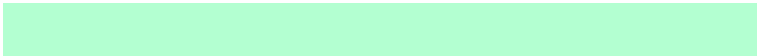
107.4371, 63.1464, 44.5743

Sweetspot

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



33.2271, 63.1490, 21.2652



65.7166, 85.6369, 73.2458



43.3748, 68.6189, 10.9588



13.3882, 17.9998, 14.7667



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.



33.2271, 63.1490, 21.2652



38.1059, 72.4584, 24.2735



43.0456, 67.0764, 72.9684



15.8250, 17.7600, 18.1016



18.2494, 34.5918, 11.9621



1.5658, 2.8968, 1.2461

Inverse Universe

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



41.0477, 20.5705, 28.5964



47.0779, 23.5952, 32.6719



36.1463, 18.6099, 2.7858



16.1739, 15.9193, 18.4719



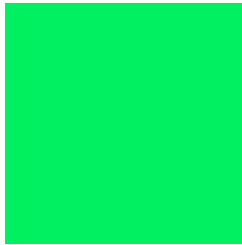
22.5366, 11.2870, 16.0079



1.9237, 0.9585, 1.5890

Previews

White Background



This preview shows how the XYZ color 33.2256, 63.1464, 21.2638 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 33.2256, 63.1464, 21.2638 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 33.2256, 63.1464, 21.2638

Background



This preview shows how black text looks on a background with the XYZ color 33.2256, 63.1464, 21.2638.



This preview shows how white text looks on a background with the XYZ color 33.2256, 63.1464,

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

33.2256, 63.1464, 21.2638

Protanopia

56.3441, 61.6215, 17.5188

Deuteranopia

62.9547, 61.4452, 22.7294



Tritanopia

47.9267, 62.8083, 94.3912

Trichromacy



Original Color

33.2256, 63.1464, 21.2638



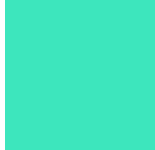
Protanomaly

38.7286, 56.9751, 18.4073



Deuteranomaly

40.6896, 55.6433, 21.4276



Tritanomaly

39.4066, 61.2599, 57.8915

Monochromacy



Original Color

33.2256, 63.1464, 21.2638



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.1670, 38.4611, 27.5173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2256, 63.1464, 21.2638 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 95) }
```

Border

The CSS property to change the border of an element to XYZ 33.2256, 63.1464, 21.2638 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, 95) }
```


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

```
.border{ border-color:rgb(0, 240, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.2256, 63.1464, 21.2638 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, 95) }
```

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

```
.background{ background-color: rgb(0, 240,  
95) }
```

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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