

Converting Colors

XYZ(33.4606, 64.3073, 19.2079)

Have a look what the booklet for
XYZ(33.4606, 64.3073, 19.2079)
contains.

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Color

**XYZ(33.3918, 64.1601,
19.2185)**

Conversions

Conversions Part 1

Format	Color
Hex	00F255
RGB	0, 242, 85
RGB Percent	0%, 95%, 33%
CMY	1.0000, 0.0510, 0.6666
CMYK	1.00, 0.00, 0.65, 0.05
HSL	141°, 100%, 47%
HSV	141°, 100%, 95%
XYZ	33.3918, 64.1601, 19.2185
YIQ	151.7440, -93.8350, -100.1310

Conversions

Conversions Part 2

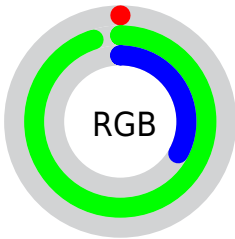
Format	Color
RYB	0, 179, 242
Decimal	62037
CIELab	84.05, -78.44, 60.31
CIELCh	84, 98.944, 142.444
Yxy	64.1601, 0.2860, 0.5495
Android (android.graphics.Color)	4278252117 (0xFF00F255)
YUV	151.7440, -32.9048, -133.0795
Hunter-Lab	80.1000, -65.7626, 41.8445

Details

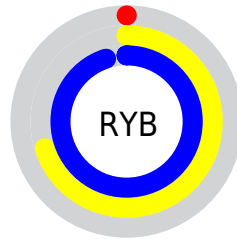
The XYZ color **33.3918, 64.1601, 19.2185** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **42.7058, 21.3127, 33.7641**, and the grayscale version is **29.9030, 31.4602, 34.2602**.

A 20% lighter version of the original color is **47.4331, 76.9909, 37.1717**, and **17.2951, 34.3428, 6.5279** is the 20% darker color. If you saturate the color by 10%, you get **33.3931, 64.1626, 19.2190**, and if you desaturate by 10%, it is **34.4695, 64.6373, 22.8958**.

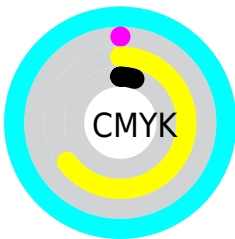
Distribution



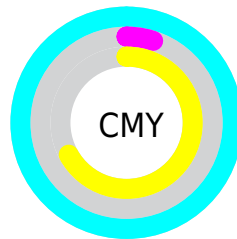
- Red (0%)
- Green (95%)
- Blue (33%)



- Red (0%)
- Yellow (70%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3918, 64.1601, 19.2185 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 33.3918, 64.1601, 19.2185 by changing the saturation by 10% instead.


 33.3918, 64.1601,
19.2185


 33.3918, 64.1601,
19.2185


309.0454,
439.7676, 260.1152


 22.5874, 46.7804,
11.6499


 64.3373, 110.8415,
42.9446


 14.4082, 32.8621,
6.3861


 85.2092, 140.9119,
59.9391


 8.4887, 22.0208,
3.0087


 110.1676,
175.9813, 80.9127

 4.4636, 13.8722,
1.0991

 139.5780,
216.4342, 106.2839

 1.9676, 8.0318,
0.0000

 173.8055,
262.6548, 136.4712

 0.6157, 4.1153,
0.0000

213.2157,

 0.0000, 1.7383,

315.0277, 171.8931

0.0000

258.1739,
373.9371, 212.9683

■ 0.0000, 0.4483,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3918, 64.1601,
19.2185

■ 33.3918, 64.1601,
19.2185

■ 33.3931, 64.1626,
19.2190

■ 34.4695, 64.6373,
22.8958

■ 36.1677, 65.4155,
27.3672

■ 38.6436, 66.5768,
32.6817

■ 41.9928, 68.1696,
38.8815

■ 46.2962, 70.2349,
46.0055

■ 51.6251, 72.8086,
54.0903

■ 58.0436, 75.9231,
63.1704

■ 65.6104, 79.6081,
73.2785

■ 74.3801, 83.8910,
84.4459

Harmonies

Analogous

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



46.3196, 64.1601, 7.2463



33.3918, 64.1601, 19.2185



28.1184, 64.1601, 55.2149

Triad

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



33.3918, 64.1601, 19.2185



55.6278, 64.1601, 269.6329



108.5859, 64.1601, 33.2809

Complementary

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



33.3918, 64.1601, 19.2185



42.7058, 21.3127, 33.7641

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.



112.7743, 64.1601, 86.8883



33.3918, 64.1601, 19.2185



78.4524, 64.1601, 250.2778

Square

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



33.3918, 64.1601, 19.2185



38.8085, 64.1601, 215.0632



100.6778, 64.1601, 171.7367



90.3121, 64.1601, 11.3260

Rectangle

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



33.3918, 64.1601, 19.2185



28.4911, 64.1601, 99.0981



100.6778, 64.1601, 171.7367



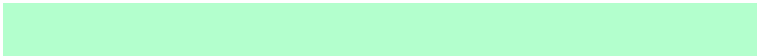
111.8401, 64.1601, 47.0247

Sweetspot

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



33.3933, 64.1627, 19.2200



65.2991, 85.4699, 71.0474



45.7177, 70.7056, 11.2382



13.2906, 17.9608, 14.2528



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.



33.3933, 64.1627, 19.2200



37.5870, 72.2508, 21.5408



42.8582, 67.9487, 69.0611



15.7952, 17.7481, 17.9442



17.9968, 34.4908, 10.6323



1.5427, 2.8875, 1.1241

Inverse Universe

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



42.7058, 21.3127, 33.7641



48.0712, 23.9925, 37.9028



36.9426, 19.0074, 3.4154



16.2048, 15.9316, 18.6346



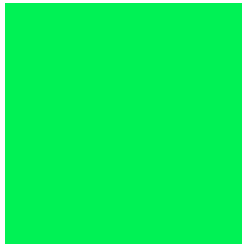
23.0081, 11.4757, 18.4909



1.9610, 0.9734, 1.7855

Previews

White Background



This preview shows how the XYZ color 33.3918, 64.1601, 19.2185 looks on a white background.

Color Contrast Check

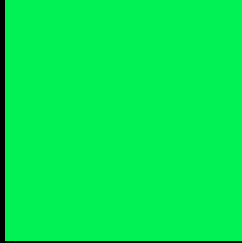
Large Text (above 18pt) WCAG AA × Fail

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 33.3918, 64.1601, 19.2185 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

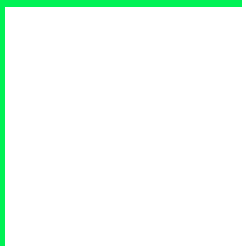
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3918, 64.1601, 19.2185

Background



This preview shows how black text looks on a background with the XYZ color 33.3918, 64.1601, 19.2185.

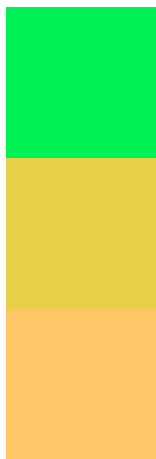


This preview shows how white text looks on a background with the XYZ color 33.3918, 64.1601,

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

33.3918, 64.1601, 19.2185

Protanopia

57.1046, 62.7756, 15.7638

Deuteranopia

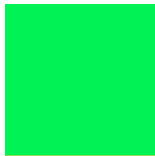
63.9328, 62.6476, 21.8193



Tritanopia

48.7148, 63.5820, 96.0912

Trichromacy



Original Color

33.3918, 64.1601, 19.2185



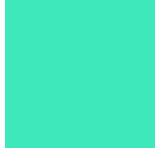
Protanomaly

39.2172, 58.0468, 16.5343



Deuteranomaly

41.1045, 56.6376, 20.0750



Tritanomaly

39.8129, 62.3252, 56.9453

Monochromacy



Original Color

33.3918, 64.1601, 19.2185



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.1750, 38.7978, 26.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3918, 64.1601, 19.2185 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, 242, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 85)  
}
```

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, 242, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 85) }
```

Border

The CSS property to change the border of an element to XYZ 33.3918, 64.1601, 19.2185 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, 242, 85) }
```


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

```
.border{ border-color:rgb(0, 242, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3918, 64.1601, 19.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 85) }
```

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

```
.background{ background-color: rgb(0, 242,  
85) }
```

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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