

Converting Colors

XYZ(31.5821, 61.6417, 10.4976)

Have a look what the booklet for
XYZ(31.5821, 61.6417, 10.4976)
contains.

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Color

**XYZ(31.5787, 61.6610,
10.4959)**

Conversions

Conversions Part 1

Format	Color
Hex	2AEE09
RGB	42, 238, 9
RGB Percent	16%, 93%, 4%
CMY	0.8353, 0.0667, 0.9646
CMYK	0.82, 0.00, 0.96, 0.07
HSL	111°, 93%, 48%
HSV	111°, 96%, 93%
XYZ	31.5787, 61.6610, 10.4959
YIQ	153.2900, -43.3070, -112.7710

Conversions

Conversions Part 2

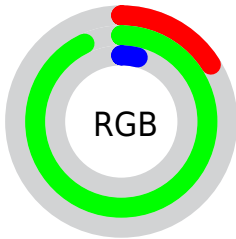
Format	Color
R _Y B	9, 238, 205
Decimal	2813449
CIE Lab	82.73, -79.27, 78.53
CIE LCh	83, 111.580, 135.270
Yxy	61.6610, 0.3044, 0.5944
Android (android.graphics.Color)	4281003529 (0xFF2AEE09)
YUV	153.2900, -71.1350, -97.6013
Hunter-Lab	78.5245, -65.6340, 47.0422

Details

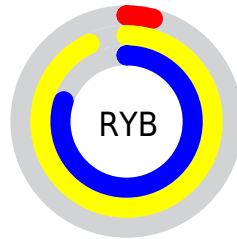
The XYZ color **31.5787, 61.6610, 10.4959** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **40.7190, 19.3542, 82.4818**, and the grayscale version is **30.7220, 32.3220, 35.1986**.

A 20% lighter version of the original color is **46.2525, 76.7110, 22.2665**, and **16.3213, 32.6425, 5.4404** is the 20% darker color. If you saturate the color by 10%, you get **31.2442, 61.4961, 10.2232**, and if you desaturate by 10%, it is **32.8581, 62.2967, 11.7195**.

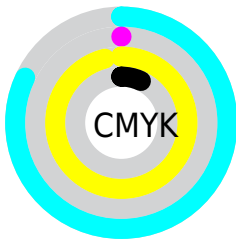
Distribution



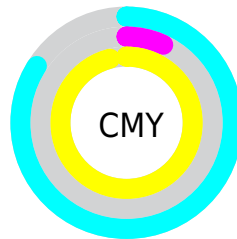
- Red (16%)
- Green (93%)
- Blue (4%)



- Red (4%)
- Yellow (93%)
- Blue (80%)



- Cyan (82%)
- Magenta (0%)
- Yellow (96%)
- Black (7%)



- Cyan (84%)
- Magenta (7%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5787, 61.6610, 10.4959 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 31.5787, 61.6610, 10.4959 by changing the saturation by 10% instead.


 31.5787, 61.6610,
10.4959


 31.5787, 61.6610,
10.4959


300.9751,
430.6935, 204.7874


 21.1939, 44.7588,
5.6191


 61.5197, 107.2354,
27.3464

 13.3791, 31.2675,
2.5499


 81.8066, 136.6765,
40.1572


 7.7689, 20.8026,
0.8664


 106.1249,
171.0660, 56.4497

 3.9980, 12.9798,
0.0000

 134.8400,
210.7883, 76.6425

 1.7010, 7.4146,
0.0000

 168.3172,
256.2278, 101.1542

 0.4569, 3.7227,
0.0000

 206.9219,

 0.0000, 1.5197,

307.7689, 130.4032

0.0000

251.0194,
365.7960, 164.8081

■ 0.0000, 0.3025,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.5787, 61.6610,
10.4959

■ 31.5787, 61.6610,
10.4959

■ 31.2442, 61.4961,
10.2232

■ 32.8581, 62.2967,
11.7195

■ 34.8503, 63.2709,
14.1992

■ 37.6475, 64.6280,
18.1645

■ 41.3260, 66.4034,
23.7990

■ 45.9534, 68.6286,
31.2597

■ 51.5902, 71.3317,
40.6856

■ 58.2919, 74.5386,
52.2021

■ 66.1101, 78.2734,
65.9244

■ 75.0926, 82.5585,
81.9590

Harmonies

Analogous

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



47.2851, 61.6610, 3.3369



31.5787, 61.6610, 10.4959



24.3733, 61.6610, 38.8541

Triad

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



31.5787, 61.6610, 10.4959



47.6500, 61.6610, 292.8668



115.2739, 61.6610, 38.0248

Complementary

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



31.5787, 61.6610, 10.4959



40.7190, 19.3542, 82.4818

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.



115.4506, 61.6610, 106.6115



31.5787, 61.6610, 10.4959



71.6055, 61.6610, 292.0072

Square

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



31.5787, 61.6610, 10.4959



31.7827, 61.6610, 211.3867



97.8355, 61.6610, 209.5009



97.4035, 61.6610, 10.2424

Rectangle

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



31.5787, 61.6610, 10.4959



23.6451, 61.6610, 80.0097



97.8355, 61.6610, 209.5009



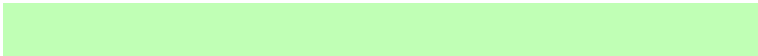
117.5376, 61.6610, 55.7272

Sweetspot

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



31.5801, 61.6636, 10.4973



65.7671, 86.0252, 56.8812



56.8227, 61.2214, 9.0815



13.3593, 18.0695, 10.9420



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.



31.5801, 61.6636, 10.4973



36.5127, 71.9080, 11.9552



32.4994, 61.9340, 19.7313



15.7776, 17.7655, 16.7472



17.4947, 34.3404, 5.7063



1.5201, 2.8902, 0.4777

Inverse Universe

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



40.7190, 19.3542, 82.4818



47.0494, 22.1698, 96.4072



41.5193, 20.8380, 34.1208



16.2175, 15.9094, 19.9377



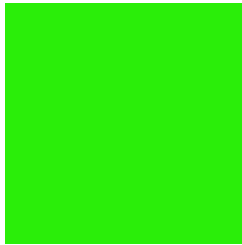
22.5471, 10.6288, 45.9911



1.9363, 0.9154, 3.8289

Previews

White Background



This preview shows how the XYZ color 31.5787, 61.6610, 10.4959 looks on a white background.

Color Contrast Check

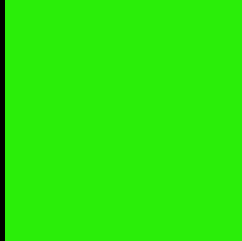
Large Text (above 18pt) WCAG AA × Fail

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 31.5787, 61.6610, 10.4959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

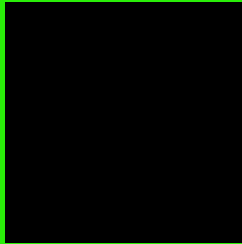
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5787, 61.6610, 10.4959

Background



This preview shows how black text looks on a background with the XYZ color 31.5787, 61.6610, 10.4959.



This preview shows how white text looks on a background with the XYZ color 31.5787, 61.6610,

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

31.5787, 61.6610, 10.4959

Protanopia

54.2260, 60.0087, 8.7248

Deuteranopia

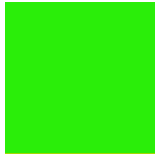
61.4290, 60.2025, 13.0852



Tritanopia

47.3803, 61.0091, 90.9401

Trichromacy



Original Color

31.5787, 61.6610, 10.4959



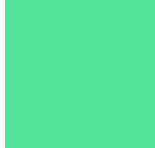
Protanomaly

39.4726, 56.7997, 8.9692



Deuteranomaly

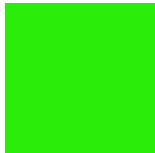
41.8427, 55.7326, 10.8376



Tritanomaly

36.9528, 59.1437, 40.4786

Monochromacy



Original Color

31.5787, 61.6610, 10.4959



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.2995, 38.7313, 18.4017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5787, 61.6610, 10.4959 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(42, 238, 9)` looks like.

```
.text, #text, p{  
    color:rgb(42, 238, 9)  
}
```

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(42, 238, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 238, 9) }
```

Border

The CSS property to change the border of an element to XYZ 31.5787, 61.6610, 10.4959 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(42, 238, 9) }
```


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

```
.border{ border-color:rgb(42, 238, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 238, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 238, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 238, 9);  
box-shadow:4px 4px 4px 4px rgb(42, 238, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.5787, 61.6610, 10.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 238, 9) }
```

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

```
.background{ background-color: rgb(42, 238,  
9) }
```

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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