

Converting Colors

XYZ(31.6793, 62.2765, 12.5200)

Have a look what the booklet for
XYZ(31.6793, 62.2765, 12.5200)
contains.

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Color

**XYZ(31.5729, 62.0489,
12.5031)**

Conversions

Conversions Part 1

Format	Color
Hex	14EF2A
RGB	20, 239, 42
RGB Percent	8%, 94%, 16%
CMY	0.9216, 0.0627, 0.8353
CMYK	0.92, 0.00, 0.82, 0.06
HSL	126°, 87%, 51%
HSV	126°, 92%, 94%
XYZ	31.5729, 62.0489, 12.5031
YIQ	151.0610, -67.2870, -107.6950

Conversions

Conversions Part 2

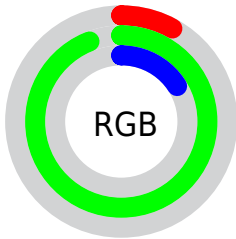
Format	Color
RYB	20, 219, 239
Decimal	1371946
CIELab	82.94, -80.18, 73.37
CIELCh	83, 108.687, 137.539
Yxy	62.0489, 0.2975, 0.5847
Android (android.graphics.Color)	4279562026 (0xFF14EF2A)
YUV	151.0610, -53.7671, -114.9405
Hunter-Lab	78.7711, -66.3034, 45.7289

Details

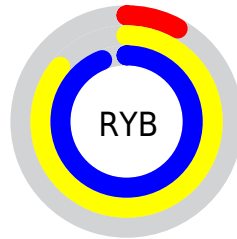
The XYZ color **31.5729, 62.0489, 12.5031** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **48.3717, 23.8612, 67.6971**, and the grayscale version is **29.6868, 31.2328, 34.0126**.

A 20% lighter version of the original color is **45.8327, 76.4122, 25.9691**, and **16.5239, 33.0477, 5.5080** is the 20% darker color. If you saturate the color by 10%, you get **31.0328, 61.8015, 11.1586**, and if you desaturate by 10%, it is **32.8137, 62.6334, 15.1376**.

Distribution



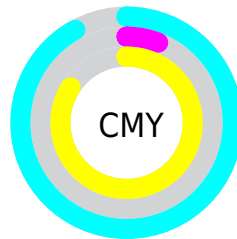
- Red (8%)
- Green (94%)
- Blue (16%)



- Red (8%)
- Yellow (86%)
- Blue (94%)



- Cyan (92%)
- Magenta (0%)
- Yellow (82%)
- Black (6%)



- Cyan (92%)
- Magenta (6%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5729, 62.0489, 12.5031 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 31.5729, 62.0489, 12.5031 by changing the saturation by 10% instead.

■ 31.5729, 62.0489,
12.5031

■ 31.5729, 62.0489,
12.5031

300.9490,
432.1094, 218.8029

■ 21.1894, 45.0722,
6.9606

■ 61.5107, 107.7962,
31.0861

■ 13.3758, 31.5143,
3.3594

■ 81.7957, 137.3356,
44.9637

■ 7.7666, 20.9908,
1.2809

■ 106.1119,
171.8314, 62.4568

■ 3.9965, 13.1173,
0.0461

■ 134.8247,
211.6679, 83.9839

■ 1.7002, 7.5094,
0.0000

■ 168.2995,
257.2296, 109.9635

■ 0.4564, 3.7826,
0.0000

206.9016,

■ 0.0000, 1.5527,

308.9008, 140.8142

0.0000

250.9963,
367.0659, 176.9544

■ 0.0000, 0.3254,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.5729, 62.0489,
12.5031

■ 31.5729, 62.0489,
12.5031


■ 31.0328, 61.8015,
11.1586


■ 32.8137, 62.6334,
15.1376

■ 34.8777, 63.6133,
19.0362


■ 37.8795, 65.0466,
24.3328


■ 41.9139, 66.9799,
31.1428

 47.0642, 69.4538,
39.5699

 53.4053, 72.5049,
49.7085

 61.0052, 76.1664,
61.6458

 69.9272, 80.4693,
75.4631

 80.2300, 85.4421,
91.2366

Harmonies

Analogous

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



46.4044, 62.0489, 4.0844



31.5729, 62.0489, 12.5031



24.9946, 62.0489, 43.3506

Triad

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



31.5729, 62.0489, 12.5031



49.7710, 62.0489, 288.3723



113.2652, 62.0489, 35.6390

Complementary

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



31.5729, 62.0489, 12.5031



48.3717, 23.8612, 67.6971

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.



114.8700, 62.0489, 99.4331



31.5729, 62.0489, 12.5031



73.6340, 62.0489, 280.6517

Square

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



31.5729, 62.0489, 12.5031



33.4719, 62.0489, 214.6260



98.8871, 62.0489, 197.6161



94.9541, 62.0489, 10.0559

Rectangle

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



31.5729, 62.0489, 12.5031



24.6171, 62.0489, 85.9583



98.8871, 62.0489, 197.6161



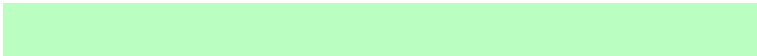
115.9222, 62.0489, 51.9955

Sweetspot

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



31.5744, 62.0515, 12.5045



65.6796, 85.8313, 63.5983



59.6402, 76.5536, 12.2948



13.4364, 18.0719, 12.6326



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.



31.5744, 62.0515, 12.5045



35.9423, 71.5929, 12.8801



36.7749, 64.1317, 39.8902



15.6304, 17.6822, 17.0768



17.1704, 34.1602, 6.2805



1.4499, 2.8504, 0.6357

Inverse Universe

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



48.3717, 23.8612, 67.6971



55.4347, 26.9379, 76.6785



38.5338, 19.9260, 15.8916



16.3818, 16.0024, 19.5667



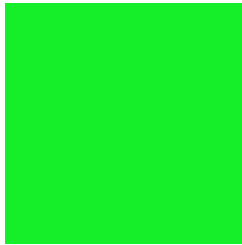
26.4764, 12.8630, 36.7549



2.2222, 1.0779, 3.1610

Previews

White Background



This preview shows how the XYZ color 31.5729, 62.0489, 12.5031 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 31.5729, 62.0489, 12.5031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

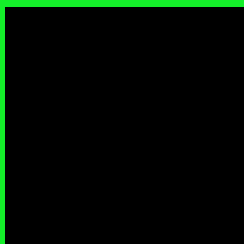
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5729, 62.0489, 12.5031

Background



This preview shows how black text looks on a background with the XYZ color 31.5729, 62.0489, 12.5031.



This preview shows how white text looks on a background with the XYZ color 31.5729, 62.0489,

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

31.5729, 62.0489, 12.5031

Protanopia

54.7390, 60.5954, 10.2499

Deuteranopia

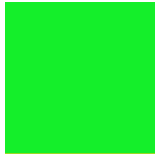
61.7015, 60.3115, 14.5201



Tritanopia

47.3653, 61.3601, 92.5664

Trichromacy



Original Color

31.5729, 62.0489, 12.5031



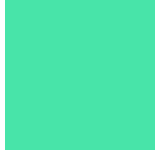
Protanomaly

38.4577, 56.6231, 10.5715



Deuteranomaly

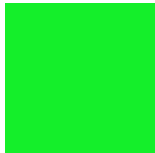
40.4665, 54.9762, 12.8935



Tritanomaly

37.5773, 59.7291, 47.0845

Monochromacy



Original Color

31.5729, 62.0489, 12.5031



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.3962, 37.8982, 21.0155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5729, 62.0489, 12.5031 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(20, 239, 42)` looks like.

```
.text, #text, p{  
    color:rgb(20, 239, 42)  
}
```

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(20, 239, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 239, 42) }
```

Border

The CSS property to change the border of an element to XYZ 31.5729, 62.0489, 12.5031 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(20, 239, 42) }
```


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

```
.border{ border-color:rgb(20, 239, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 239, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 239, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 239, 42);  
box-shadow:4px 4px 4px 4px rgb(20, 239,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5729, 62.0489, 12.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 239, 42) }
```

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

```
.background{ background-color: rgb(20, 239,  
42) }
```

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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