

Converting Colors

XYZ(31.4007, 58.5283, 22.4808)

Have a look what the booklet for
XYZ(31.4007, 58.5283, 22.4808)
contains.

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Color

**XYZ(31.2553, 58.2503,
22.4281)**

Conversions

Conversions Part 1

Format	Color
Hex	11E767
RGB	17, 231, 103
RGB Percent	7%, 91%, 40%
CMY	0.9333, 0.0941, 0.5961
CMYK	0.93, 0.00, 0.55, 0.09
HSL	144°, 86%, 49%
HSV	144°, 93%, 91%
XYZ	31.2553, 58.2503, 22.4281
YIQ	152.4220, -86.4560, -85.1760

Conversions

Conversions Part 2

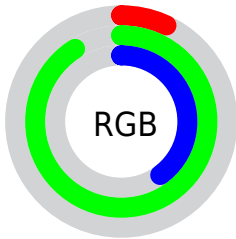
Format	Color
RYB	17, 170, 231
Decimal	1173351
CIELab	80.88, -72.46, 48.91
CIELCh	81, 87.425, 145.978
Yxy	58.2503, 0.2792, 0.5204
Android (android.graphics.Color)	4279363431 (0xFF11E767)
YUV	152.4220, -24.3650, -118.7651
Hunter-Lab	76.3219, -60.4641, 36.0022

Details

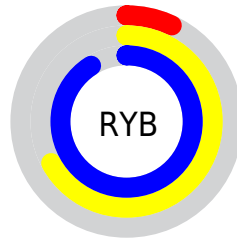
The XYZ color **31.2553, 58.2503, 22.4281** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **38.2684, 19.4354, 28.5261**, and the grayscale version is **30.1585, 31.7291, 34.5530**.

A 20% lighter version of the original color is **48.6559, 77.4650, 44.2861**, and **15.7118, 30.5024, 8.0771** is the 20% darker color. If you saturate the color by 10%, you get **30.5453, 57.9414, 19.8904**, and if you desaturate by 10%, it is **32.6567, 58.8875, 26.4198**.

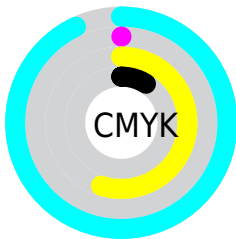
Distribution



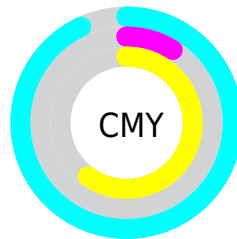
- Red (7%)
- Green (91%)
- Blue (40%)



- Red (7%)
- Yellow (67%)
- Blue (91%)



- Cyan (93%)
- Magenta (0%)
- Yellow (55%)
- Black (9%)



- Cyan (93%)
- Magenta (9%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2553, 58.2503, 22.4281 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 31.2553, 58.2503, 22.4281 by changing the saturation by 10% instead.

■ 31.2553, 58.2503,
22.4281

■ 31.2553, 58.2503,
22.4281

299.5187,
418.1180, 277.7999

■ 20.9461, 42.0099,
13.9705

■ 61.0149, 102.2873,
48.3638

■ 13.1969, 29.1090,
7.9616

■ 81.1960, 130.8526,
66.6789

■ 7.6422, 19.1633,
3.9830

■ 105.3985,
164.2951, 89.1170

■ 3.9167, 11.7884,
1.6160

■ 133.9877,
202.9991, 116.0965

■ 1.6551, 6.5997,
0.3022

■ 167.3290,
247.3490, 148.0360

■ 0.4279, 3.2131,
0.0000

205.7876,

■ 0.0000, 1.2440,

297.7291, 185.3540

0.0000

249.7291,
354.5240, 228.4692

■ 0.0000, 0.0972,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.2553, 58.2503,
22.4281

■ 31.2553, 58.2503,
22.4281


■ 30.5453, 57.9414,
19.8904

■ 32.6567, 58.8875,
26.4198


■ 34.7126, 59.8467,
31.0665


■ 37.5123, 61.1748,
36.3994


■ 41.1294, 62.9094,
42.4462

 45.6279, 65.0829,
49.2328

 51.0653, 67.7245,
56.7839

 57.4941, 70.8607,
65.1227

 64.9626, 74.5161,
74.2718

 73.5159, 78.7135,
84.2525

Harmonies

Analogous

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



41.4871, 58.2503, 9.4145



31.2553, 58.2503, 22.4281



27.4168, 58.2503, 56.6934

Triad

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



31.2553, 58.2503, 22.4281



52.9620, 58.2503, 223.6688



92.8786, 58.2503, 29.0378

Complementary

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



31.2553, 58.2503, 22.4281



38.2684, 19.4354, 28.5261

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.



97.8029, 58.2503, 70.6687



31.2553, 58.2503, 22.4281



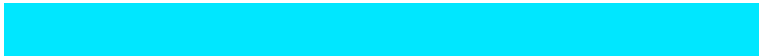
72.0371, 58.2503, 201.6853

Square

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



31.2553, 58.2503, 22.4281



38.0989, 58.2503, 186.9555



89.4778, 58.2503, 137.0575



77.1897, 58.2503, 11.5115

Rectangle

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



31.2553, 58.2503, 22.4281



28.2116, 58.2503, 94.9794



89.4778, 58.2503, 137.0575



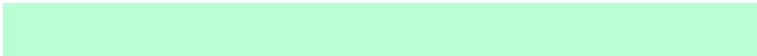
95.9763, 58.2503, 39.7700

Sweetspot

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



31.2567, 58.2527, 22.4294



67.3521, 86.4293, 75.6136



40.4270, 63.2513, 10.6087



13.7007, 18.1508, 15.2403



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.



31.2567, 58.2527, 22.4294



38.1818, 72.4887, 24.6730



40.3920, 61.9068, 70.5351



14.4281, 16.1847, 16.5192



17.1810, 32.5045, 11.4535



1.3145, 2.4199, 1.0830

Inverse Universe

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



38.2684, 19.4354, 28.5261



46.9508, 23.5443, 32.0025



33.5134, 17.5333, 3.4864



14.7371, 14.5120, 16.8159



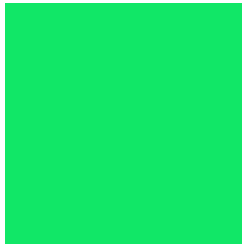
21.1167, 10.5809, 14.7756



1.6061, 0.8001, 1.3322

Previews

White Background



This preview shows how the XYZ color 31.2553, 58.2503, 22.4281 looks on a white background.

Color Contrast Check

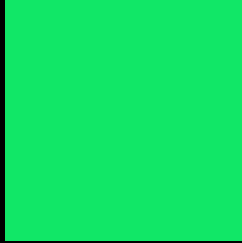
Large Text (above 18pt) WCAG AA × Fail

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 31.2553, 58.2503, 22.4281 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 31.2553, 58.2503, 22.4281

Background



This preview shows how black text looks on a background with the XYZ color 31.2553, 58.2503, 22.4281.



This preview shows how white text looks on a background with the XYZ color 31.2553, 58.2503,

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

31.2553, 58.2503, 22.4281

Protanopia

51.9144, 56.8528, 18.5934

Deuteranopia

58.0687, 56.9191, 23.8455



Tritanopia

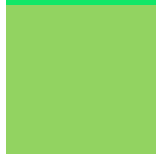
44.1226, 57.8480, 87.4375

Trichromacy



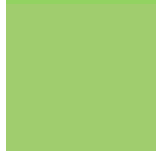
Original Color

31.2553, 58.2503, 22.4281



Protanomaly

37.3060, 53.5626, 19.6816



Deuteranomaly

39.1430, 52.2620, 22.7764



Tritanomaly

37.2053, 56.9204, 56.0395

Monochromacy



Original Color

31.2553, 58.2503, 22.4281



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.4205, 37.6525, 28.4294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2553, 58.2503, 22.4281 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(17, 231, 103)` looks like.

```
.text, #text, p{  
    color:rgb(17, 231, 103)  
}
```

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(17, 231, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 231, 103) }
```

Border

The CSS property to change the border of an element to XYZ 31.2553, 58.2503, 22.4281 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(17, 231, 103) }
```


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

```
.border{ border-color:rgb(17, 231, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 231, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 231, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 231, 103);  
box-shadow:4px 4px 4px 4px rgb(17, 231,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2553, 58.2503, 22.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 231, 103) }
```

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

```
.background{ background-color: rgb(17, 231,  
103) }
```

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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