

Converting Colors

XYZ(31.3595, 58.7369, 22.7294)

Have a look what the booklet for
XYZ(31.3595, 58.7369, 22.7294)
contains.

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Color

**XYZ(31.3553, 58.7127,
22.7768)**

Conversions

Conversions Part 1

Format	Color
Hex	00E868
RGB	0, 232, 104
RGB Percent	0%, 91%, 41%
CMY	1.0000, 0.0902, 0.5921
CMYK	1.00, 0.00, 0.55, 0.09
HSL	147°, 100%, 45%
HSV	147°, 100%, 91%
XYZ	31.3553, 58.7127, 22.7768
YIQ	148.0400, -97.1840, -88.9920

Conversions

Conversions Part 2

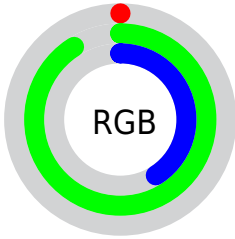
Format	Color
RYB	0, 160, 232
Decimal	59496
CIELab	81.13, -73.19, 48.75
CIELCh	81, 87.942, 146.337
Yxy	58.7127, 0.2779, 0.5203
Android (android.graphics.Color)	4278249576 (0xFF00E868)
YUV	148.0400, -21.7117, -129.8311
Hunter-Lab	76.6242, -61.0486, 36.0128

Details

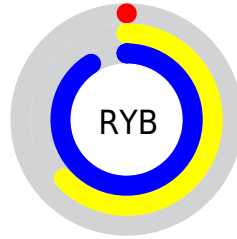
The XYZ color **31.3553, 58.7127, 22.7768** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **37.1771, 18.7155, 22.0787**, and the grayscale version is **28.2840, 29.7570, 32.4053**.

A 20% lighter version of the original color is **48.3620, 77.3036, 44.7199**, and **15.9275, 30.8990, 8.2566** is the 20% darker color. If you saturate the color by 10%, you get **31.3563, 58.7149, 22.7766**, and if you desaturate by 10%, it is **32.4153, 59.1799, 26.4837**.

Distribution



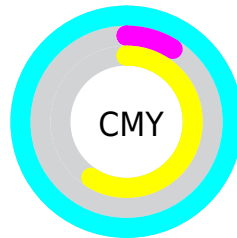
- Red (0%)
- Green (91%)
- Blue (41%)



- Red (0%)
- Yellow (63%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3553, 58.7127, 22.7768 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 31.3553, 58.7127, 22.7768 by changing the saturation by 10% instead.


 31.3553, 58.7127,
22.7768


 31.3553, 58.7127,
22.7768


299.9696,
419.8364, 279.6612


 21.0227, 42.3819,
14.2250


 61.1711, 102.9600,
48.9451


 13.2532, 29.4004,
8.1368


 81.3849, 131.6453,
67.3987

 7.6813, 19.3840,
4.0936


 105.6233,
165.2175, 89.9901

 3.9418, 11.9480,
1.6768

 134.2515,
204.0610, 117.1376

 1.6693, 6.7083,
0.3448

 167.6348,
248.5603, 149.2600

 0.4369, 3.2804,
0.0000

206.1387,

 0.0000, 1.2798,

299.0997, 186.7757

0.0000

250.1285,
356.0636, 230.1032

■ 0.0000, 0.1255,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3553, 58.7127,
22.7768

■ 31.3553, 58.7127,
22.7768

■ 31.3563, 58.7149,
22.7766

■ 32.4153, 59.1799,
26.4837

■ 34.0058, 59.9070,
30.7512

■ 36.2686, 60.9684,
35.6076

■ 39.2866, 62.4063,
41.0761

■ 43.1303, 64.2567,
47.1786

■ 47.8615, 66.5510,
53.9355

■ 53.5357, 69.3176,
61.3663

■ 60.2039, 72.5823,
69.4897

■ 67.9133, 76.3691,
78.3235

Harmonies

Analogous

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



41.6125, 58.7127, 9.4847



31.3553, 58.7127, 22.7768



27.5539, 58.7127, 57.7074

Triad

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



31.3553, 58.7127, 22.7768



53.5880, 58.7127, 226.2990



93.6238, 58.7127, 28.8493

Complementary

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



31.3553, 58.7127, 22.7768



37.1771, 18.7155, 22.0787

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.



98.7674, 58.7127, 70.5806



31.3553, 58.7127, 22.7768



72.9043, 58.7127, 203.3213

Square

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



31.3553, 58.7127, 22.7768



38.4940, 58.7127, 189.7212



90.4875, 58.7127, 137.5773



77.6542, 58.7127, 11.4046

Rectangle

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



31.3553, 58.7127, 22.7768



28.4046, 58.7127, 96.6463



90.4875, 58.7127, 137.5773



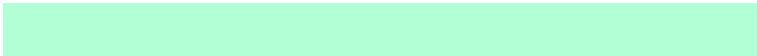
96.8082, 58.7127, 39.5785

Sweetspot

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



31.3567, 58.7151, 22.7781



66.2189, 85.8378, 75.8906



38.2914, 62.5787, 10.0610



13.5061, 18.0470, 15.3875



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.



31.3567, 58.7151, 22.7781



38.8147, 72.7419, 28.0060



41.3222, 62.7013, 75.2555



14.4565, 16.1960, 16.6687



17.4686, 32.6195, 12.9677



1.3371, 2.4290, 1.2017

Inverse Universe

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



37.1771, 18.7155, 22.0787



46.0250, 23.1740, 27.1273



33.3698, 17.1926, 2.0297



14.7081, 14.5004, 16.6634



20.7027, 10.4153, 12.5951



1.5765, 0.7883, 1.1764

Previews

White Background



This preview shows how the XYZ color 31.3553, 58.7127, 22.7768 looks on a white background.

Color Contrast Check

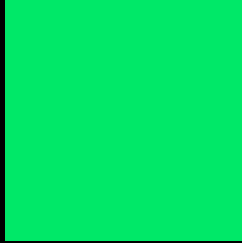
Large Text (above 18pt) WCAG AA × Fail

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 31.3553, 58.7127, 22.7768 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 31.3553, 58.7127, 22.7768

Background



This preview shows how black text looks on a background with the XYZ color 31.3553, 58.7127, 22.7768.

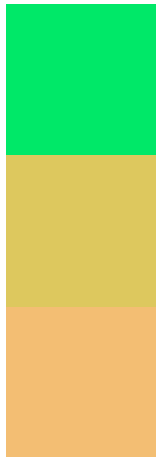


This preview shows how white text looks on a background with the XYZ color 31.3553, 58.7127,

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

31.3553, 58.7127, 22.7768

Protanopia

52.4935, 57.4889, 18.9194

Deuteranopia

58.4701, 57.1194, 24.1631



Tritanopia

44.5261, 58.4231, 88.2869

Trichromacy



Original Color

31.3553, 58.7127, 22.7768



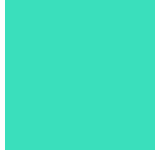
Protanomaly

36.7326, 53.6315, 19.9712



Deuteranomaly

38.2181, 51.7789, 23.0189



Tritanomaly

37.2097, 57.3057, 56.6769

Monochromacy



Original Color

31.3553, 58.7127, 22.7768



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.9011, 36.2858, 27.5212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3553, 58.7127, 22.7768 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, 232, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 104)  
}
```

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, 232, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 104) }
```

Border

The CSS property to change the border of an element to XYZ 31.3553, 58.7127, 22.7768 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, 232, 104) }
```


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

```
.border{ border-color:rgb(0, 232, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3553, 58.7127, 22.7768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 104) }
```

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

```
.background{ background-color: rgb(0, 232,  
104) }
```

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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