

Converting Colors

XYZ(30.7174, 58.4801, 19.3481)

Have a look what the booklet for
XYZ(30.7174, 58.4801, 19.3481)
contains.

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Color

**XYZ(30.7021, 58.4514,
19.3369)**

Conversions

Conversions Part 1

Format	Color
Hex	00E85A
RGB	0, 232, 90
RGB Percent	0%, 91%, 35%
CMY	1.0000, 0.0902, 0.6470
CMYK	1.00, 0.00, 0.61, 0.09
HSL	143°, 100%, 45%
HSV	143°, 100%, 91%
XYZ	30.7021, 58.4514, 19.3369
YIQ	146.4440, -92.6900, -93.3460

Conversions

Conversions Part 2

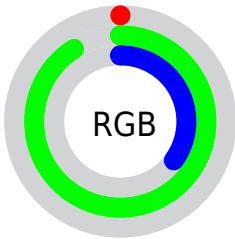
Format	Color
RYB	0, 167, 232
Decimal	59482
CIELab	80.99, -74.99, 54.80
CIELCh	81, 92.880, 143.840
Yxy	58.4514, 0.2830, 0.5388
Android (android.graphics.Color)	4278249562 (0xFF00E85A)
YUV	146.4440, -27.8269, -128.4314
Hunter-Lab	76.4535, -62.1119, 38.5216

Details

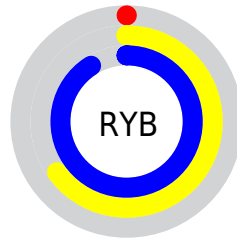
The XYZ color **30.7021, 58.4514, 19.3369** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **38.1635, 19.1101, 27.2729**, and the grayscale version is **27.6445, 29.0842, 31.6727**.

A 20% lighter version of the original color is **47.2244, 76.8486, 38.7298**, and **15.6187, 30.7754, 6.6304** is the 20% darker color. If you saturate the color by 10%, you get **30.7031, 58.4536, 19.3366**, and if you desaturate by 10%, it is **31.7251, 58.9038, 22.8488**.

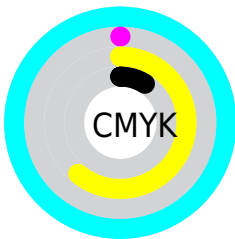
Distribution



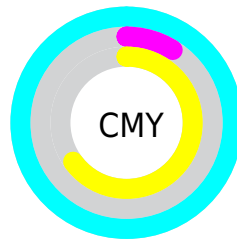
- Red (0%)
- Green (91%)
- Blue (35%)



- Red (0%)
- Yellow (65%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7021, 58.4514, 19.3369 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 30.7021, 58.4514, 19.3369 by changing the saturation by 10% instead.

■ 30.7021, 58.4514,
19.3369

■ 30.7021, 58.4514,
19.3369

297.0150,
418.8659, 260.7868

■ 20.5228, 42.1717,
11.7347

■ 60.1498, 102.5799,
43.1469

■ 12.8861, 29.2357,
6.4430

■ 80.1489, 131.1975,
60.1917

■ 7.4266, 19.2592,
3.0431

■ 104.1520,
164.6964, 81.2212

■ 3.7790, 11.8577,
1.1167

■ 132.5245,
203.4611, 106.6538

■ 1.5779, 6.6469,
0.0000

■ 165.6317,
247.8761, 136.9081

■ 0.3779, 3.2423,
0.0000

203.8389,

■ 0.0000, 1.2595,

298.3256, 172.4027

0.0000

247.5116,
355.1940, 213.5561

■ 0.0000, 0.1095,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.7021, 58.4514,
19.3369

■ 30.7021, 58.4514,
19.3369

■ 30.7031, 58.4536,
19.3366

■ 31.7251, 58.9038,
22.8488

■ 33.2973, 59.6236,
27.0197

■ 35.5622, 60.6858,
31.8871

■ 38.6044, 62.1334,
37.4827

■ 42.4957, 64.0029,
43.8358

■ 47.2993, 66.3262,
50.9741

■ 53.0721, 69.1322,
58.9239

■ 59.8663, 72.4473,
67.7101

■ 67.7301, 76.2959,
77.3565

Harmonies

Analogous

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



41.8936, 58.4514, 7.5778



30.7021, 58.4514, 19.3369



26.2743, 58.4514, 52.9282

Triad

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



30.7021, 58.4514, 19.3369



51.6766, 58.4514, 238.0218



96.7753, 58.4514, 29.6833

Complementary

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



30.7021, 58.4514, 19.3369



38.1635, 19.1101, 27.2729

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.



101.1025, 58.4514, 75.7156



30.7021, 58.4514, 19.3369



71.9069, 58.4514, 218.2700

Square

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



30.7021, 58.4514, 19.3369



36.4464, 58.4514, 193.3987



91.1357, 58.4514, 148.9649



80.3946, 58.4514, 10.6793

Rectangle

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



30.7021, 58.4514, 19.3369



26.8005, 58.4514, 92.5307



91.1357, 58.4514, 148.9649



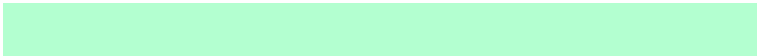
99.8243, 58.4514, 41.4973

Sweetspot

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



30.7035, 58.4538, 19.3382



65.6418, 85.6069, 72.8517



40.1982, 63.5617, 10.1503



13.3707, 17.9928, 14.6744



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.



30.7035, 58.4538, 19.3382



38.0082, 72.4193, 23.7587



39.8699, 62.1203, 67.6076



14.4196, 16.1813, 16.4744



17.1018, 32.4728, 11.0362



1.3082, 2.4174, 1.0494

Inverse Universe

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



38.1635, 19.1101, 27.2729



47.2478, 23.6631, 33.5664



33.4789, 17.2362, 2.6040



14.7458, 14.5155, 16.8619



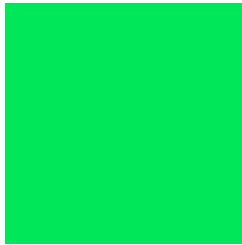
21.2493, 10.6339, 15.4735



1.6154, 0.8039, 1.3814

Previews

White Background



This preview shows how the XYZ color 30.7021, 58.4514, 19.3369 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 30.7021, 58.4514, 19.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

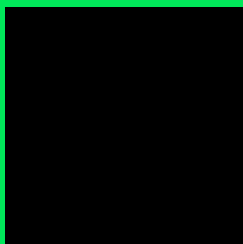
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7021, 58.4514, 19.3369

Background



This preview shows how black text looks on a background with the XYZ color 30.7021, 58.4514, 19.3369.



This preview shows how white text looks on a background with the XYZ color 30.7021, 58.4514,

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

30.7021, 58.4514, 19.3369

Protanopia

52.2264, 57.4173, 15.9194

Deuteranopia

58.4679, 57.1987, 20.5292



Tritanopia

44.3225, 57.9510, 87.4469

Trichromacy



Original Color

30.7021, 58.4514, 19.3369



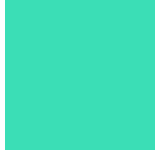
Protanomaly

36.1282, 53.3898, 16.7886



Deuteranomaly

37.7462, 51.6124, 19.5280



Tritanomaly

36.3684, 56.5498, 53.2544

Monochromacy



Original Color

30.7021, 58.4514, 19.3369



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.0022, 35.2778, 25.2829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7021, 58.4514, 19.3369 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 90) }
```

Border

The CSS property to change the border of an element to XYZ 30.7021, 58.4514, 19.3369 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, 90) }
```


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

```
.border{ border-color:rgb(0, 232, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 232, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.7021, 58.4514, 19.3369 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, 90) }
```

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

```
.background{ background-color: rgb(0, 232,  
90) }
```

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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