

Converting Colors

XYZ(31.2114, 56.3462, 14.6728)

Have a look what the booklet for
XYZ(31.2114, 56.3462, 14.6728)
contains.

XYZ(31.2202, 56.3466, 14.6993)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.2202, 56.3466,
14.6993)**

Conversions

Conversions Part 1

Format	Color
Hex	4CE244
RGB	76, 226, 68
RGB Percent	30%, 89%, 27%
CMY	0.7020, 0.1137, 0.7333
CMYK	0.66, 0.00, 0.70, 0.11
HSL	117°, 73%, 58%
HSV	117°, 70%, 89%
XYZ	31.2202, 56.3466, 14.6993
YIQ	163.1380, -38.6820, -80.9380

Conversions

Conversions Part 2

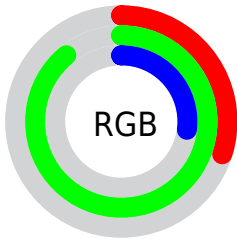
Format	Color
RYB	68, 226, 218
Decimal	5038660
CIELab	79.81, -67.99, 62.59
CIELCh	80, 92.415, 137.367
Yxy	56.3466, 0.3053, 0.5510
Android (android.graphics.Color)	4283228740 (0xFF4CE244)
YUV	163.1380, -46.9030, -76.4200
Hunter-Lab	75.0644, -57.1223, 40.9347

Details

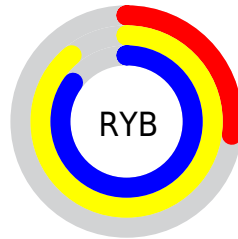
The XYZ color **31.2202, 56.3466, 14.6993** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **44.7119, 24.5330, 74.3334**, and the grayscale version is **35.1071, 36.9354, 40.2226**.

A 20% lighter version of the original color is **50.5534, 78.7260, 31.6000**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **29.2296, 55.3870, 11.6739**, and if you desaturate by 10%, it is **34.0474, 57.7101, 19.1532**.

Distribution



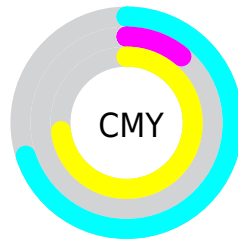
- Red (30%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (85%)



- Cyan (66%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)




- Cyan (70%)
- Magenta (11%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2202, 56.3466, 14.6993 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 31.2202, 56.3466, 14.6993 by changing the saturation by 10% instead.


 31.2202, 56.3466,
14.6993


 31.2202, 56.3466,
14.6993


299.3603,
410.9964, 233.1166


 20.9192, 40.4809,
8.4643


 60.9601, 99.5112,
35.0596

 13.1771, 27.9137,
4.3015


 81.1297, 127.5788,
50.0220


 7.6285, 18.2606,
1.7921


 105.3196,
160.4825, 68.7307

 3.9079, 11.1372,
0.4228

 133.8951,
198.6067, 91.6042

 1.6502, 6.1592,
0.0000

 167.2215,
242.3358, 119.0609

 0.4248, 2.9421,
0.0000

205.6643,

 0.0000, 1.1016,

292.0542, 151.5196

0.0000

249.5888,
348.1463, 189.3986

■ 0.0000, 0.0000,
0.0000

■ 31.2202, 56.3466,
14.6993

■ 31.2202, 56.3466,
14.6993

■ 29.2296, 55.3870,
11.6739

■ 34.0474, 57.7101,
19.1532

■ 27.9802, 54.7809,
9.8994

■ 37.7856, 59.5078,
25.1783


■ 27.3451, 54.4710,
9.0786


■ 42.5054, 61.7748,
32.9040


■ 27.3414, 54.4692,
9.0726

■ 48.2694, 64.5410,
42.4453

■ 55.1349, 67.8337,
53.9073

 63.1550, 71.6782,
67.3870

 72.3797, 76.0982,
82.9750

 82.8557, 81.1161,
100.7561

 86.4875, 82.8751,
106.0458

Harmonies

Analogous

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



43.5247, 56.3466, 6.2110



31.2202, 56.3466, 14.6993



25.5757, 56.3466, 41.4755

Triad

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



31.2202, 56.3466, 14.6993



46.0712, 56.3466, 226.6576



95.7207, 56.3466, 35.4632

Complementary

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



31.2202, 56.3466, 14.6993



44.7119, 24.5330, 74.3334

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.



96.8573, 56.3466, 86.7387



31.2202, 56.3466, 14.6993



65.0205, 56.3466, 221.4370

Square

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



31.2202, 56.3466, 14.6993



32.7088, 56.3466, 172.5640



84.6009, 56.3466, 160.8545



81.7842, 56.3466, 12.4990

Rectangle

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



31.2202, 56.3466, 14.6993



25.2269, 56.3466, 75.5252



84.6009, 56.3466, 160.8545



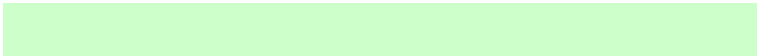
97.7111, 56.3466, 49.0729

Sweetspot

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



31.2215, 56.3490, 14.7006



71.3012, 88.6182, 68.8833



56.8295, 65.4280, 15.1033



14.7033, 18.7003, 13.8106



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.



31.2215, 56.3490, 14.7006



37.5544, 72.3992, 14.0747



34.0593, 57.4152, 32.7557



13.5926, 15.3701, 14.5571



15.6270, 31.0885, 5.1771



1.1061, 2.1667, 0.3599

Inverse Universe

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



44.7119, 24.5330, 74.3334



56.2005, 28.0541, 97.0606



39.5647, 22.7571, 34.4469



14.2229, 13.8985, 17.3207



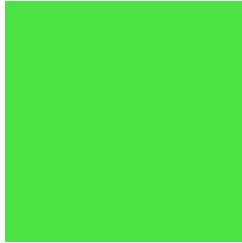
23.7779, 11.3532, 41.9865



1.6695, 0.7979, 2.9113

Previews

White Background



This preview shows how the XYZ color 31.2202, 56.3466, 14.6993 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 31.2202, 56.3466, 14.6993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

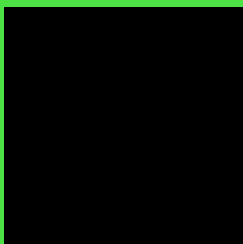
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

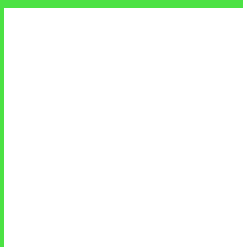
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2202, 56.3466, 14.6993

Background



This preview shows how black text looks on a background with the XYZ color 31.2202, 56.3466, 14.6993.



This preview shows how white text looks on a background with the XYZ color 31.2202, 56.3466,

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

31.2202, 56.3466, 14.6993

Protanopia

50.0707, 55.0217, 12.2562

Deuteranopia

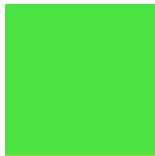
56.0440, 54.7817, 15.6027



Tritanopia

44.5003, 55.9030, 81.8437

Trichromacy



Original Color

31.2202, 56.3466, 14.6993



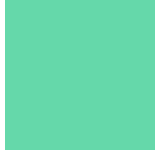
Protanomaly

39.3585, 53.3094, 12.9180



Deuteranomaly

41.5176, 52.2542, 14.9190



Tritanomaly

37.1784, 54.7807, 46.6444

Monochromacy



Original Color

31.2202, 56.3466, 14.6993



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.8153, 41.5016, 26.8086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2202, 56.3466, 14.6993 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(76, 226, 68)` looks like.

```
.text, #text, p{  
    color:rgb(76, 226, 68)  
}
```

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(76, 226, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 226, 68) }
```

Border

The CSS property to change the border of an element to XYZ 31.2202, 56.3466, 14.6993 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(76, 226, 68) }
```


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

```
.border{ border-color:rgb(76, 226, 68) }
```

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

Here you see how a box with a 4 pixel rgb(76, 226, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 226, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 226, 68);  
box-shadow:4px 4px 4px 4px rgb(76, 226,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2202, 56.3466, 14.6993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 226, 68) }
```

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

```
.background{ background-color: rgb(76, 226,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor