

# Converting Colors

XYZ(31.9414, 56.8521, 27.0594)

Have a look what the booklet for  
XYZ(31.9414, 56.8521, 27.0594)  
contains.

<b>XYZ(31.9414, 56.8521, 27.0594)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(31.9414, 56.8521,  
27.0594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DE378
RGB	45, 227, 120
RGB Percent	18%, 89%, 47%
CMY	0.8235, 0.1098, 0.5294
CMYK	0.80, 0.00, 0.47, 0.11
HSL	145°, 76%, 53%
HSV	145°, 80%, 89%
XYZ	31.9414, 56.8521, 27.0594
YIQ	160.3840, -74.1250, -71.8610

# Conversions

## Conversions Part 2

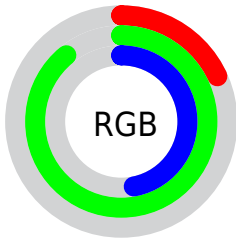
Format	Color
<a href="#">RYB</a>	<a href="#">45, 174, 227</a>
Decimal	<a href="#">3007352</a>
CIELab	<a href="#">80.10, -66.59, 39.94</a>
CIELCh	<a href="#">80, 77.646, 149.043</a>
Yxy	<a href="#">56.8521, 0.2757, 0.4907</a>
Android (android.graphics.Color)	<a href="#">4281197432 (0xFF2DE378)</a>
YUV	<a href="#">160.3840, -19.9093, -101.1918</a>
Hunter-Lab	<a href="#">75.4003, -56.3337, 31.5024</a>

# Details

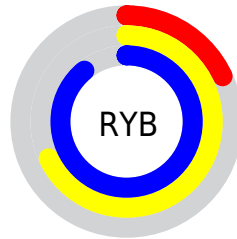
The XYZ color **31.9414, 56.8521, 27.0594** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **38.2861, 20.4757, 31.6417**, and the grayscale version is **33.7058, 35.4612, 38.6172**.

A 20% lighter version of the original color is **51.2851, 78.6409, 52.5206**, and **15.4489, 29.1791, 10.4481** is the 20% darker color. If you saturate the color by 10%, you get **30.4436, 56.1687, 23.0526**, and if you desaturate by 10%, it is **34.0912, 57.8617, 31.6885**.

# Distribution



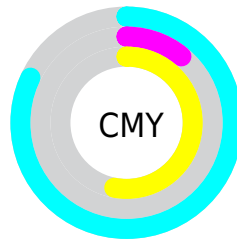
- Red (18%)
- Green (89%)
- Blue (47%)



- Red (18%)
- Yellow (68%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)




- Cyan (82%)
- Magenta (11%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9414, 56.8521, 27.0594 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 31.9414, 56.8521, 27.0594 by changing the saturation by 10% instead.





 31.9414, 56.8521,  
27.0594


 31.9414, 56.8521,  
27.0594


302.6023,  
412.8949, 301.7139


 21.4721, 40.8865,  
17.3850


 62.0850, 100.2494,  
55.9841


 13.5839, 28.2304,  
10.3445


 82.4900, 128.4498,  
76.0714


 7.9116, 18.4994,  
5.5194


 106.9377,  
161.4973, 100.4668

 4.0898, 11.3091,  
2.4911

 135.7932,  
199.7763, 129.5889

 1.7530, 6.2752,  
0.8354

 169.4221,  
243.6712, 163.8561

 0.4891, 3.0131,  
0.0000

208.1897,

 0.0000, 1.1386,

293.5663, 203.6869

0.0000

252.4613,  
349.8461, 249.5000

■ 0.0000, 0.0107,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 31.9414, 56.8521,  
27.0594

■ 31.9414, 56.8521,  
27.0594

■ 30.4436, 56.1687,  
23.0526


■ 34.0912, 57.8617,  
31.6885

■ 29.4702, 55.7403,  
19.6887


■ 36.9685, 59.2313,  
36.9627


■ 40.6423, 60.9974,  
42.9080


■ 45.1721, 63.1903,  
49.5477

 50.6112, 65.8371,  
56.9040

 57.0089, 68.9627,  
64.9980

 64.4103, 72.5900,  
73.8499

 72.8580, 76.7406,  
83.4791

 82.3918, 81.4346,  
93.9043

# Harmonies

## Analogous

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



40.5856, 56.8521, 12.7321



31.9414, 56.8521, 27.0594



28.9913, 56.8521, 60.4599

# Triad

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



31.9414, 56.8521, 27.0594



53.5302, 56.8521, 196.0623



85.1951, 56.8521, 28.5357

# Complementary

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



31.9414, 56.8521, 27.0594



38.2861, 20.4757, 31.6417

# 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.



90.4708, 56.8521, 63.3674



31.9414, 56.8521, 27.0594



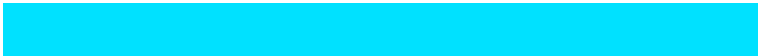
70.1718, 56.8521, 173.4191

# Square

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



31.9414, 56.8521, 27.0594



39.8635, 56.8521, 170.5462



84.5093, 56.8521, 118.3291



71.2235, 56.8521, 13.2454



# Rectangle

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



31.9414, 56.8521, 27.0594



30.1004, 56.8521, 94.8611



84.5093, 56.8521, 118.3291



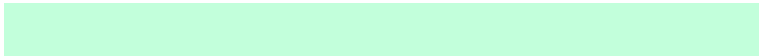
88.1521, 56.8521, 37.6272

# Sweetspot

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



31.9428, 56.8544, 27.0607



70.7456, 88.0784, 80.3036



41.3091, 62.0198, 12.2767



14.5110, 18.5440, 16.3854



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.



31.9428, 56.8544, 27.0607



38.7613, 72.7353, 27.0580



40.0368, 60.0920, 69.6831



14.4344, 16.1872, 16.5521



17.2412, 32.5286, 11.7706



1.3193, 2.4219, 1.1082



# Inverse Universe

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



38.2861, 20.4757, 31.6417



47.1936, 23.8186, 32.7349



33.5212, 18.5697, 6.5500



14.7307, 14.5095, 16.7822



21.0219, 10.5430, 14.2762



1.5994, 0.7975, 1.2968



# Previews

## White Background



This preview shows how the XYZ color 31.9414, 56.8521, 27.0594 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 31.9414, 56.8521, 27.0594 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 31.9414, 56.8521, 27.0594

## Background



This preview shows how black text looks on a background with the XYZ color 31.9414, 56.8521, 27.0594.



This preview shows how white text looks on a background with the XYZ color 31.9414, 56.8521,



# 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

31.9414, 56.8521, 27.0594

### Protanopia

51.0455, 55.6356, 22.5164

### Deuteranopia

56.6046, 55.4110, 28.8311



## Tritanopia

43.3314, 56.3522, 84.9372

# Trichromacy



## Original Color

31.9414, 56.8521, 27.0594



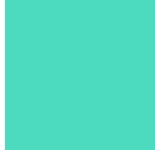
## Protanomaly

38.8629, 53.1740, 23.8381



## Deuteranomaly

40.8228, 51.9629, 27.6169



## Tritanomaly

37.7961, 56.0024, 58.1077

# Monochromacy



## Original Color

31.9414, 56.8521, 27.0594



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

29.7225, 40.1769, 32.9764

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.9414, 56.8521, 27.0594 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(45, 227, 120)` looks like.

```
.text, #text, p{  
  color:rgb(45, 227, 120)  
}
```

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(45, 227, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 31.9414, 56.8521, 27.0594 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(45, 227, 120) }
```



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

```
.border{ border-color:rgb(45, 227, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 227, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 120);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.9414, 56.8521, 27.0594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 120) }
```

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

```
.background{ background-color: rgb(45, 227,  
120) }
```

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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