

# Converting Colors

XYZ(29.7787, 52.8268, 19.8165)

Have a look what the booklet for  
XYZ(29.7787, 52.8268, 19.8165)  
contains.

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# Color

**XYZ(29.7360, 52.6844,  
19.9111)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42DB61
RGB	66, 219, 97
RGB Percent	26%, 86%, 38%
CMY	0.7412, 0.1412, 0.6196
CMYK	0.70, 0.00, 0.56, 0.14
HSL	132°, 68%, 56%
HSV	132°, 70%, 86%
XYZ	29.7360, 52.6844, 19.9111
YIQ	159.3450, -52.0260, -70.3780

# Conversions

## Conversions Part 2

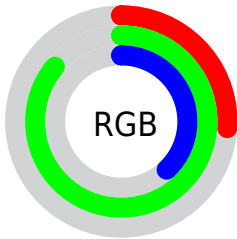
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 193, 219
Decimal	4381537
CIELab	77.69, -64.40, 48.01
CIELCh	78, 80.325, 143.294
Yxy	52.6844, 0.2906, 0.5148
Android (android.graphics.Color)	4282571617 (0xFF42DB61)
YUV	159.3450, -30.7361, -81.8636
Hunter-Lab	72.5840, -53.8947, 34.5445

# Details

The XYZ color **29.7360, 52.6844, 19.9111** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **40.2403, 22.5883, 49.8175**, and the grayscale version is **33.2674, 34.9999, 38.1149**.

A 20% lighter version of the original color is **50.9379, 78.7086, 41.3617**, and **13.5518, 26.3762, 6.7597** is the 20% darker color. If you saturate the color by 10%, you get **27.8067, 51.7753, 16.0288**, and if you desaturate by 10%, it is **32.4117, 53.9606, 24.7663**.

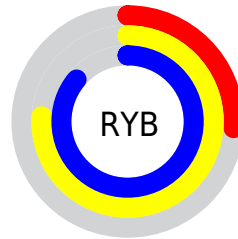
# Distribution



Red (26%)

Green (86%)

Blue (38%)



Red (26%)

Yellow (76%)

Blue (86%)

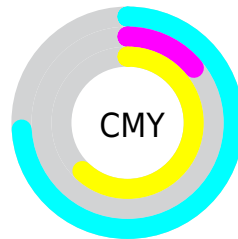


Cyan (70%)

Magenta (0%)

Yellow (56%)

Black (14%)



Cyan (74%)

Magenta (14%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7360, 52.6844, 19.9111 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 29.7360, 52.6844, 19.9111 by changing the saturation by 10% instead.



■ 29.7360, 52.6844,  
19.9111

■ 29.7360, 52.6844,  
19.9111

292.6039,  
397.0731, 264.0217

■ 19.7854, 37.5509,  
12.1470

■ 58.6339, 94.1398,  
44.1251

■ 12.3465, 25.6343,  
6.7201

■ 78.3119, 121.2305,  
61.4121

■ 7.0540, 16.5503,  
3.2119

■ 101.9631,  
153.0757, 82.7104

■ 3.5425, 9.9144,  
1.2038

■ 129.9528,  
190.0598, 108.4387

■ 1.4467, 5.3422,  
0.0000

162.6464,  
232.5672, 139.0154

■ 0.2891, 2.4494,  
0.0000

200.4092,

■ 0.0000, 0.8511,

280.9823, 174.8591

0.0000

243.6066,  
335.6894, 216.3884

■ 0.0000, 0.0000,  
0.0000

■ 29.7360, 52.6844,  
19.9111

■ 29.7360, 52.6844,  
19.9111

■ 27.8067, 51.7753,  
16.0288

■ 32.4117, 53.9606,  
24.7663

■ 26.5395, 51.1866,  
13.0498

■ 35.8985, 55.6315,  
30.6503


■ 25.8026, 50.8536,  
10.8997


■ 40.2581, 57.7292,  
37.6192


■ 25.7943, 50.8498,  
10.8755


■ 45.5453, 60.2810,  
45.7239

■ 51.8102, 63.3116,  
55.0120

 59.0993, 66.8440,  
65.5285

 67.4561, 70.8998,  
77.3160

 76.9215, 75.4993,  
90.4149

 84.4891, 79.0918,  
104.7216

# Harmonies

## Analogous

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



39.1635, 52.6844, 9.1975



29.7360, 52.6844, 19.9111



25.8748, 52.6844, 47.9405

# Triad

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



29.7360, 52.6844, 19.9111



46.6661, 52.6844, 191.2410



82.8398, 52.6844, 29.7413

# Complementary

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



29.7360, 52.6844, 19.9111



40.2403, 22.5883, 49.8175

# 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.



86.0002, 52.6844, 67.9488



29.7360, 52.6844, 19.9111



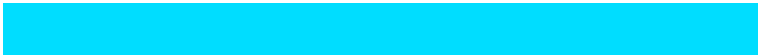
62.8454, 52.6844, 177.3317

# Square

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



29.7360, 52.6844, 19.9111



34.2541, 52.6844, 156.9600



78.0544, 52.6844, 125.2235



70.1426, 52.6844, 12.4732

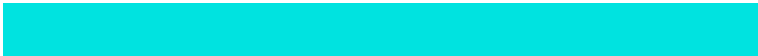


# Rectangle

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



29.7360, 52.6844, 19.9111



26.2607, 52.6844, 79.3790



78.0544, 52.6844, 125.2235



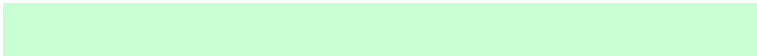
85.1478, 52.6844, 39.8502

# Sweetspot

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



29.7373, 52.6866, 19.9123



71.8902, 88.7686, 75.8312



47.1546, 61.8012, 14.5981



14.8410, 18.7357, 15.4262



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.



29.7373, 52.6866, 19.9123



38.2746, 72.6306, 20.4307



35.1323, 54.8446, 48.3220



12.9939, 14.6492, 14.4307



15.3258, 30.1629, 6.6149



1.0240, 1.9666, 0.5927



# Inverse Universe

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



40.2403, 22.5883, 49.8175



53.8591, 27.5653, 64.5042



34.0822, 20.1250, 17.3890



13.4954, 13.2273, 15.8702



21.9289, 10.7726, 25.0692



1.4499, 0.7096, 1.7780



# Previews

## White Background



This preview shows how the XYZ color 29.7360, 52.6844, 19.9111 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 29.7360, 52.6844, 19.9111 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 29.7360, 52.6844, 19.9111**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.7360, 52.6844, 19.9111.



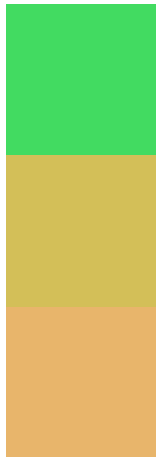
This preview shows how white text looks on a background with the XYZ color 29.7360, 52.6844,



# 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

29.7360, 52.6844, 19.9111

### Protanopia

47.2562, 51.8151, 16.7432

### Deuteranopia

52.4564, 51.2651, 21.0403



## Tritanopia

41.0818, 52.4198, 77.0600

# Trichromacy



## Original Color

29.7360, 52.6844, 19.9111



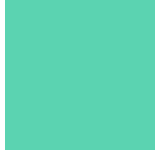
## Protanomaly

36.8755, 49.7977, 17.5659



## Deuteranomaly

38.9765, 48.7801, 20.1932



## Tritanomaly

35.5445, 51.9870, 49.7561

# Monochromacy



## Original Color

29.7360, 52.6844, 19.9111



## Achromatopsia

32.9542, 34.6704, 37.7561



## Achromatomaly

29.4253, 39.1853, 29.3052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.7360, 52.6844, 19.9111 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(66, 219, 97)` looks like.

```
.text, #text, p{  
    color:rgb(66, 219, 97)  
}
```

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(66, 219, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 219, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 29.7360, 52.6844, 19.9111 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(66, 219, 97) }
```



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

```
.border{ border-color:rgb(66, 219, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 219, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 219, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 219, 97);  
box-shadow:4px 4px 4px 4px rgb(66, 219,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.7360, 52.6844, 19.9111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 219, 97) }
```

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

```
.background{ background-color: rgb(66, 219,  
97) }
```

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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