

# Converting Colors

XYZ(29.7355, 55.9110, 20.8869)

Have a look what the booklet for  
XYZ(29.7355, 55.9110, 20.8869)  
contains.

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# Color

**XYZ(29.6737, 55.8200,  
20.7657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E362
RGB	0, 227, 98
RGB Percent	0%, 89%, 38%
CMY	1.0000, 0.1098, 0.6157
CMYK	1.00, 0.00, 0.57, 0.11
HSL	146°, 100%, 45%
HSV	146°, 100%, 89%
XYZ	29.6737, 55.8200, 20.7657
YIQ	144.4210, -93.8830, -88.2430

# Conversions

## Conversions Part 2

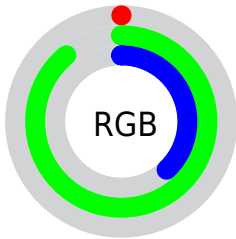
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 159, 227
Decimal	58210
CIELab	79.51, -72.49, 49.55
CIELCh	80, 87.810, 145.645
Yxy	55.8200, 0.2793, 0.5253
Android (android.graphics.Color)	4278248290 (0xFF00E362)
YUV	144.4210, -22.8856, -126.6572
Hunter-Lab	74.7128, -59.8525, 35.8199

# Details

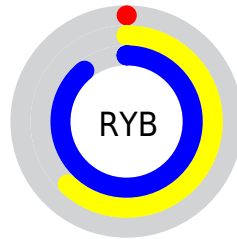
The XYZ color **29.6737, 55.8200, 20.7657** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed spring green. A complement of this color would be **35.6430, 17.9170, 22.3522**, and the grayscale version is **26.7980, 28.1936, 30.7028**.

A 20% lighter version of the original color is **47.7342, 77.0382, 42.0598**, and **14.8484, 28.9389, 7.2858** is the 20% darker color. If you saturate the color by 10%, you get **29.6747, 55.8221, 20.7655**, and if you desaturate by 10%, it is **30.6809, 56.2646, 24.2545**.

# Distribution



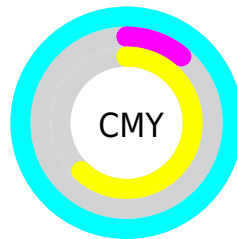
- Red (0%)
- Green (89%)
- Blue (38%)



- Red (0%)
- Yellow (62%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6737, 55.8200, 20.7657 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 29.6737, 55.8200, 20.7657 by changing the saturation by 10% instead.





 29.6737, 55.8200,  
20.7657


 29.6737, 55.8200,  
20.7657


292.3177,  
409.0128, 268.7707


 19.7379, 40.0586,  
12.7633


 58.5359, 98.7413,  
45.5730


 12.3118, 27.5843,  
7.1369


 78.1931, 126.6701,  
63.2149


 7.0301, 18.0125,  
3.4681


 101.8214,  
159.4235, 84.9071

 3.5274, 10.9590,  
1.3384

 129.7862,  
197.3858, 111.0681

 1.4384, 6.0392,  
0.0929

 162.4529,  
240.9415, 142.1164

 0.2834, 2.8690,  
0.0000

200.1868,

 0.0000, 1.0637,

290.4750, 178.4706

0.0000

243.3533,  
346.3706, 220.5492

■ 0.0000, 0.0000,  
0.0000

■ 29.6737, 55.8200,  
20.7657

■ 29.6737, 55.8200,  
20.7657

■ 29.6747, 55.8221,  
20.7655

■ 30.6809, 56.2646,  
24.2545

■ 32.1963, 56.9579,  
28.3013

■ 34.3561, 57.9710,  
32.9351

■ 37.2394, 59.3442,  
38.1800

■ 40.9130, 61.1118,  
44.0585

■ 45.4360, 63.3035,  
50.5916

■ 50.8613, 65.9465,  
57.7995

■ 57.2375, 69.0652,  
65.7012

■ 64.6096, 72.6827,  
74.3153

# Harmonies

## Analogous

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



39.6767, 55.8200, 8.5112



29.6737, 55.8200, 20.7657



25.8931, 55.8200, 53.6910

# Triad

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



29.6737, 55.8200, 20.7657



50.5191, 55.8200, 218.4076



89.9219, 55.8200, 27.6626

# Complementary

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



29.6737, 55.8200, 20.7657



35.6430, 17.9170, 22.3522

# 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.



94.6161, 55.8200, 68.4638



29.6737, 55.8200, 20.7657



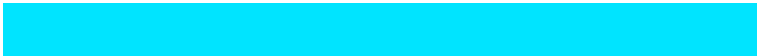
69.1466, 55.8200, 197.3134

# Square

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



29.6737, 55.8200, 20.7657



36.1107, 55.8200, 181.5662



86.3072, 55.8200, 133.8114



74.6116, 55.8200, 10.6612



# Rectangle

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



29.6737, 55.8200, 20.7657



26.6188, 55.8200, 90.9506



86.3072, 55.8200, 133.8114



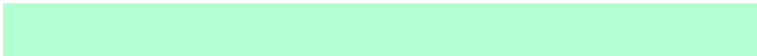
92.9207, 55.8200, 38.1477

# Sweetspot

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



29.6751, 55.8223, 20.7670



66.0589, 85.7738, 75.0481



37.0522, 59.8800, 9.6054



13.4685, 18.0319, 15.1895



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

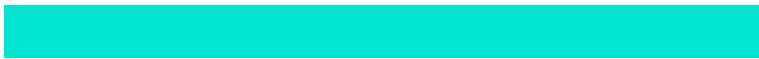
The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6751, 55.8223, 20.7670



38.5791, 72.6476, 26.7649



38.8662, 59.4987, 69.1671



14.4463, 16.1920, 16.6152



17.3617, 32.5768, 12.4050



1.3288, 2.4256, 1.1581



# Inverse Universe

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



35.6430, 17.9170, 22.3522



46.3444, 23.3017, 28.8092



31.7968, 16.3785, 2.0983



14.7184, 14.5046, 16.7177



20.8457, 10.4725, 13.3483

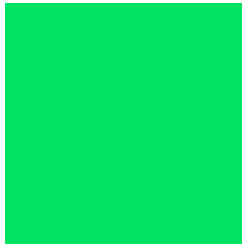


1.5868, 0.7924, 1.2306



# Previews

## White Background



This preview shows how the XYZ color 29.6737, 55.8200, 20.7657 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 29.6737, 55.8200, 20.7657 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 29.6737, 55.8200, 20.7657**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.6737, 55.8200, 20.7657.



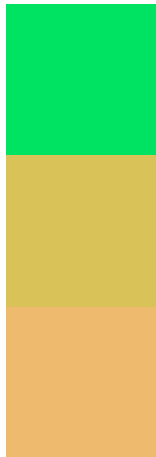
This preview shows how white text looks on a background with the XYZ color 29.6737, 55.8200,



# 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

29.6737, 55.8200, 20.7657

### Protanopia

49.8918, 54.4865, 17.1199

### Deuteranopia

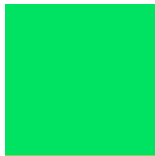
55.5791, 54.3991, 22.0387



## Tritanopia

42.1970, 55.4255, 83.3371

# Trichromacy



## Original Color

29.6737, 55.8200, 20.7657



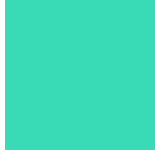
## Protanomaly

34.7258, 50.8016, 18.1007



## Deuteranomaly

36.1989, 49.3725, 20.9866



## Tritanomaly

35.2022, 54.3901, 52.8990

# Monochromacy



## Original Color

29.6737, 55.8200, 20.7657



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

23.3804, 34.0797, 25.4244

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.6737, 55.8200, 20.7657 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, 227, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 98)  
}
```

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, 227, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 29.6737, 55.8200, 20.7657 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, 227, 98) }
```



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

```
.border{ border-color:rgb(0, 227, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 98)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 29.6737, 55.8200, 20.7657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 98) }
```

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

```
.background{ background-color: rgb(0, 227,  
98) }
```

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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