

# Converting Colors

XYZ(25.3019, 45.6471, 23.7151)

Have a look what the booklet for  
XYZ(25.3019, 45.6471, 23.7151)  
contains.

<b>XYZ(25.4073, 45.8635, 23.7331)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(25.4073, 45.8635,  
23.7331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CF73
RGB	0, 207, 115
RGB Percent	0%, 81%, 45%
CMY	1.0000, 0.1882, 0.5490
CMYK	1.00, 0.00, 0.44, 0.19
HSL	153°, 100%, 41%
HSV	153°, 100%, 81%
XYZ	25.4073, 45.8635, 23.7331
YIQ	134.6190, -93.8400, -72.4960

# Conversions

## Conversions Part 2

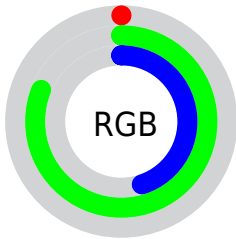
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 133, 207
Decimal	53107
CIELab	73.46, -63.50, 33.87
CIELCh	73, 71.970, 151.924
Yxy	45.8635, 0.2674, 0.4828
Android (android.graphics.Color)	4278243187 (0xFF00CF73)
YUV	134.6190, -9.6722, -118.0609
Hunter-Lab	67.7226, -51.5472, 26.6279

# Details

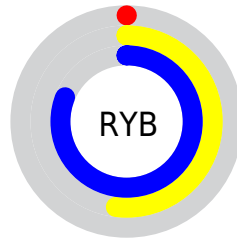
The XYZ color **25.4073, 45.8635, 23.7331** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **27.6653, 14.0389, 11.3787**, and the grayscale version is **22.9490, 24.1441, 26.2929**.

A 20% lighter version of the original color is **48.3074, 77.1719, 49.3954**, and **12.0207, 22.5149, 8.7133** is the 20% darker color. If you saturate the color by 10%, you get **25.4082, 45.8652, 23.7333**, and if you desaturate by 10%, it is **26.2677, 46.2441, 26.6777**.

# Distribution



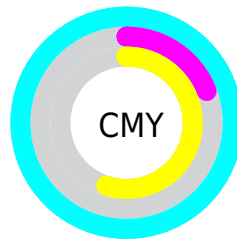
- Red (0%)
- Green (81%)
- Blue (45%)



- Red (0%)
- Yellow (52%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4073, 45.8635, 23.7331 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 25.4073, 45.8635, 23.7331 by changing the saturation by 10% instead.





 25.4073, 45.8635,  
23.7331


 25.4073, 45.8635,  
23.7331

272.1707,  
370.2596, 284.7113


 16.5111, 32.1381,  
14.9254


 51.7554, 84.0147,  
50.5327


 9.9797, 21.4670,  
8.6210


 69.9380, 109.2093,  
69.3616


 5.4477, 13.4658,  
4.4014


 91.9467, 138.9957,  
92.3680

 2.5497, 7.7501,  
1.8480

 118.1470,  
173.7584, 119.9705

 0.9204, 3.9354,  
0.4594

 148.9042,  
213.8817, 152.5875

 0.0000, 1.6375,  
0.0000

184.5836,

 0.0000, 0.3827,

259.7501, 190.6376

0.0000

225.5507,  
311.7480, 234.5394

■ 0.0000, 0.0000,  
0.0000

■ 25.4073, 45.8635,  
23.7331

■ 25.4073, 45.8635,  
23.7331

■ 25.4082, 45.8652,  
23.7333

■ 26.2677, 46.2441,  
26.6777

■ 27.5061, 46.8119,  
29.9226

■ 29.2350, 47.6262,  
33.4814

■ 31.5156, 48.7183,  
37.3643

■ 34.3992, 50.1145,  
41.5804

■ 37.9312, 51.8381,  
46.1385

■ 42.1525, 53.9100,  
51.0471

■ 47.1004, 56.3493,  
56.3141

■ 52.8095, 59.1737,  
61.9473

# Harmonies

## Analogous

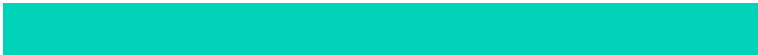
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9167, 45.8635, 11.0011



25.4073, 45.8635, 23.7331



23.4644, 45.8635, 52.3210

# Triad

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



25.4073, 45.8635, 23.7331



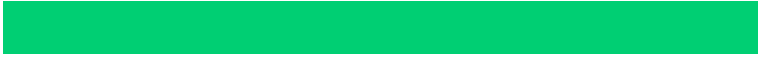
44.4163, 45.8635, 157.4517



67.7645, 45.8635, 21.3430

# Complementary

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



25.4073, 45.8635, 23.7331



27.6653, 14.0389, 11.3787

# 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.



72.8209, 45.8635, 47.6276



25.4073, 45.8635, 23.7331



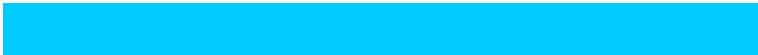
57.8149, 45.8635, 135.8711

# Square

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



25.4073, 45.8635, 23.7331



33.0834, 45.8635, 140.4957



68.8699, 45.8635, 90.5931



56.1187, 45.8635, 10.1672

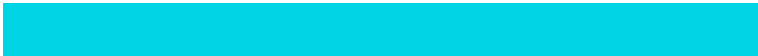


# Rectangle

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



25.4073, 45.8635, 23.7331



24.6425, 45.8635, 80.8496



68.8699, 45.8635, 90.5931



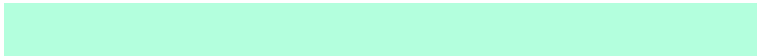
70.3828, 45.8635, 28.1201

# Sweetspot

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



25.4085, 45.8653, 23.7342



67.2861, 86.2646, 81.5104



26.8437, 46.9627, 7.6501



13.7582, 18.1478, 16.7151



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

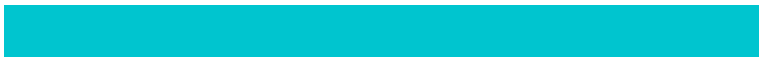
The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.4085, 45.8653, 23.7342



40.6173, 73.4629, 37.4980



31.1508, 44.2807, 65.9391



11.9273, 13.3147, 13.9734



16.0560, 28.9153, 15.2069



0.9374, 1.6326, 1.0589



# Inverse Universe

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



27.6653, 14.0389, 11.3787



44.2396, 22.4598, 17.7257



25.8456, 13.4908, 1.2420



12.0239, 11.8943, 13.4019



17.4756, 8.8631, 7.4108



1.0168, 0.5114, 0.6231



# Previews

## White Background



This preview shows how the XYZ color 25.4073, 45.8635, 23.7331 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 25.4073, 45.8635, 23.7331 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 25.4073, 45.8635, 23.7331**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.4073, 45.8635, 23.7331.



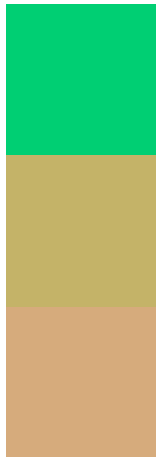
This preview shows how white text looks on a background with the XYZ color 25.4073, 45.8635,



# 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

25.4073, 45.8635, 23.7331

### Protanopia

41.3837, 44.9754, 19.5967

### Deuteranopia

45.9326, 44.8772, 25.3100



## Tritanopia

34.6842, 45.8111, 69.3017

# Trichromacy



## Original Color

25.4073, 45.8635, 23.7331



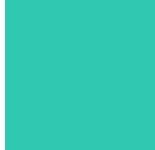
## Protanomaly

29.3618, 41.8379, 20.7153



## Deuteranomaly

30.7450, 40.8957, 24.3624



## Tritanomaly

29.8567, 45.1358, 48.7335

# Monochromacy



## Original Color

25.4073, 45.8635, 23.7331



## Achromatopsia

23.0288, 24.2281, 26.3844



## Achromatomaly

20.4789, 29.0267, 24.9454

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.4073, 45.8635, 23.7331 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, 207, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 115)  
}
```

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, 207, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 25.4073, 45.8635, 23.7331 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, 207, 115) }
```



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

```
.border{ border-color:rgb(0, 207, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.4073, 45.8635, 23.7331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 115) }
```

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

```
.background{ background-color: rgb(0, 207,  
115) }
```

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