

# Converting Colors

XYZ(26.0818, 45.1057, 25.2157)

Have a look what the booklet for  
XYZ(26.0818, 45.1057, 25.2157)  
contains.

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# Color

**XYZ(26.0652, 45.0997,  
25.1006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DCC78
RGB	45, 204, 120
RGB Percent	18%, 80%, 47%
CMY	0.8235, 0.2000, 0.5294
CMYK	0.78, 0.00, 0.41, 0.20
HSL	148°, 64%, 49%
HSV	148°, 78%, 80%
XYZ	26.0652, 45.0997, 25.1006
YIQ	146.8830, -67.8000, -59.8320

# Conversions

## Conversions Part 2

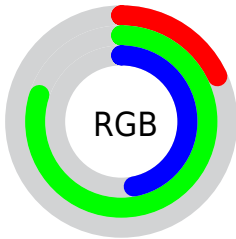
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 153, 204
Decimal	3001464
CIELab	72.96, -58.59, 30.74
CIELCh	73, 66.167, 152.314
Yxy	45.0997, 0.2708, 0.4685
Android (android.graphics.Color)	4281191544 (0xFF2DCC78)
YUV	146.8830, -13.2533, -89.3514
Hunter-Lab	67.1563, -48.2428, 24.8490

# Details

The XYZ color **26.0652, 45.0997, 25.1006** 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 **29.8041, 16.3000, 22.3458**, and the grayscale version is **27.7590, 29.2046, 31.8038**.

A 20% lighter version of the original color is **50.5053, 78.2501, 51.9770**, and **11.6954, 21.6220, 9.3514** is the 20% darker color. If you saturate the color by 10%, you get **24.7573, 44.4981, 21.8156**, and if you desaturate by 10%, it is **27.8823, 45.9578, 28.7958**.

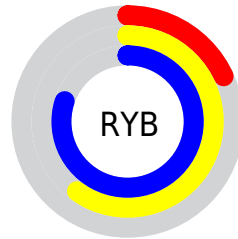
# Distribution



Red (18%)

Green (80%)

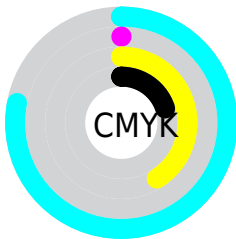
Blue (47%)



Red (18%)

Yellow (60%)

Blue (80%)

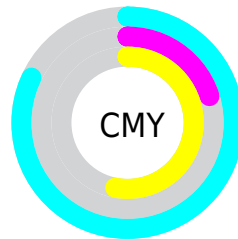


Cyan (78%)

Magenta (0%)

Yellow (41%)

Black (20%)



Cyan (82%)

Magenta (20%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.0652, 45.0997, 25.1006 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 26.0652, 45.0997, 25.1006 by changing the saturation by 10% instead.





 26.0652, 45.0997,  
25.1006


 26.0652, 45.0997,  
25.1006


275.3528,  
367.1772, 291.8023


 17.0054, 31.5360,  
15.9323


 52.8107, 82.8700,  
52.7865


 10.3336, 21.0073,  
9.3224


 71.2270, 107.8454,  
72.1412


 5.6847, 13.1293,  
4.8524


 93.4929, 137.3934,  
95.7285

 2.6931, 7.5177,  
2.1037

 119.9736,  
171.8984, 123.9669

 0.9936, 3.7879,  
0.6180

 151.0347,  
211.7450, 157.2749

 0.0000, 1.5556,  
0.0000

187.0413,

 0.0000, 0.3274,

257.3173, 196.0711

0.0000

228.3589,  
309.0000, 240.7741

■ 0.0000, 0.0000,  
0.0000

■ 26.0652, 45.0997,  
25.1006

■ 26.0652, 45.0997,  
25.1006

■ 24.7573, 44.4981,  
21.8156

■ 27.8823, 45.9578,  
28.7958

■ 23.8721, 44.1049,  
18.9211

■ 30.2628, 47.0963,  
32.9129

■ 23.7155, 44.0361,  
18.3710

■ 33.2569, 48.5421,  
37.4667

■ 36.9083, 50.3176,  
42.4704

■ 41.2566, 52.4427,  
47.9366

■ 46.3378, 54.9359,  
53.8771

■ 52.1858, 57.8145,  
60.3034

■ 58.8319, 61.0944,  
67.2268

■ 66.3060, 64.7906,  
74.6578

# Harmonies

## Analogous

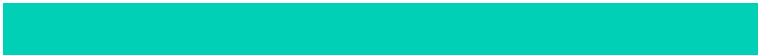
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0640, 45.0997, 12.5975



26.0652, 45.0997, 25.1006



24.2962, 45.0997, 51.7171

# Triad

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



26.0652, 45.0997, 25.1006



43.7682, 45.0997, 143.9139



64.4884, 45.0997, 22.3649

# Complementary

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



26.0652, 45.0997, 25.1006



29.8041, 16.3000, 22.3458

# 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.



69.0818, 45.0997, 46.5841



26.0652, 45.0997, 25.1006



55.8564, 45.0997, 124.7800

# Square

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



26.0652, 45.0997, 25.1006



33.3599, 45.0997, 129.6198



65.6720, 45.0997, 84.9487



54.0252, 45.0997, 11.5896

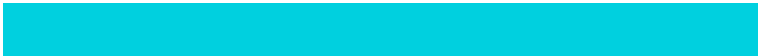


# Rectangle

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



26.0652, 45.0997, 25.1006



25.4394, 45.0997, 77.4047



65.6720, 45.0997, 84.9487



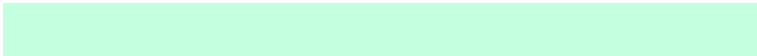
66.8471, 45.0997, 28.7122

# Sweetspot

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



26.0664, 45.1015, 25.1016



72.0726, 88.6854, 83.8508



31.2432, 48.1072, 10.1219



14.7887, 18.6696, 17.1906



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.



26.0664, 45.1015, 25.1016



39.8822, 73.1922, 32.5735



32.9505, 47.8552, 61.3529



11.2846, 12.6236, 13.0563



14.9725, 27.7343, 11.8062



0.8107, 1.4461, 0.8105



# Inverse Universe

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



29.8041, 16.3000, 22.3458



46.2928, 23.5612, 27.6738



26.4236, 14.9478, 4.5446



11.4558, 11.3111, 12.9349



17.4171, 8.7774, 9.9150



0.9367, 0.4681, 0.7125



# Previews

## White Background



This preview shows how the XYZ color 26.0652, 45.0997, 25.1006 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 26.0652, 45.0997, 25.1006 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 26.0652, 45.0997, 25.1006**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.0652, 45.0997, 25.1006.



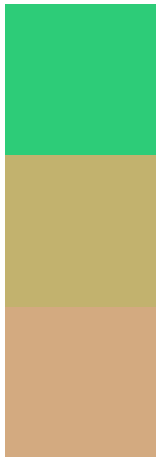
This preview shows how white text looks on a background with the XYZ color 26.0652, 45.0997,



# 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

26.0652, 45.0997, 25.1006

### Protanopia

40.9830, 44.4359, 21.1688

### Deuteranopia

45.1350, 44.1568, 26.5663



## Tritanopia

34.5467, 45.1183, 67.2095

# Trichromacy



## Original Color

26.0652, 45.0997, 25.1006



## Protanomaly

31.6228, 42.3310, 22.4236



## Deuteranomaly

33.1921, 41.5159, 25.6660



## Tritanomaly

30.6557, 44.8646, 48.6390

# Monochromacy



## Original Color

26.0652, 45.0997, 25.1006



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

24.9484, 33.1264, 28.7460

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.0652, 45.0997, 25.1006 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, 204, 120)` looks like.

```
.text, #text, p{  
    color:rgb(45, 204, 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, 204, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 204, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 26.0652, 45.0997, 25.1006 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, 204, 120) }
```



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

```
.border{ border-color:rgb(45, 204, 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, 204, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 204, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 204, 120);  
box-shadow:4px 4px 4px 4px rgb(45, 204,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.0652, 45.0997, 25.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 204, 120) }
```

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

```
.background{ background-color: rgb(45, 204,  
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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