

# Converting Colors

XYZ(25.6238, 43.0240, 26.9189)

Have a look what the booklet for  
XYZ(25.6238, 43.0240, 26.9189)  
contains.

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# Color

**XYZ(25.6704, 43.1092,  
27.0466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34C77F
RGB	52, 199, 127
RGB Percent	20%, 78%, 50%
CMY	0.7961, 0.2196, 0.5020
CMYK	0.74, 0.00, 0.36, 0.22
HSL	151°, 59%, 49%
HSV	151°, 74%, 78%
XYZ	25.6704, 43.1092, 27.0466
YIQ	146.8390, -64.5000, -53.5560

# Conversions

## Conversions Part 2

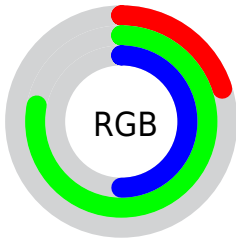
Format	Color
<a href="#">RYB</a>	<a href="#">52, 149, 199</a>
Decimal	<a href="#">3458943</a>
CIELab	<a href="#">71.63, -54.51, 25.36</a>
CIELCh	<a href="#">72, 60.125, 155.051</a>
Yxy	<a href="#">43.1092, 0.2679, 0.4499</a>
Android (android.graphics.Color)	<a href="#">4281649023 (0xFF34C77F)</a>
YUV	<a href="#">146.8390, -9.7806, -83.1738</a>
Hunter-Lab	<a href="#">65.6576, -45.1120, 21.5367</a>

# Details

The XYZ color **25.6704, 43.1092, 27.0466** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **28.4208, 16.0544, 20.6717**, and the grayscale version is **27.7261, 29.1700, 31.7661**.

A 20% lighter version of the original color is **51.6060, 78.7372, 55.6579**, and **11.3128, 20.4823, 10.3784** is the 20% darker color. If you saturate the color by 10%, you get **24.2490, 42.4475, 23.8234**, and if you desaturate by 10%, it is **27.5870, 44.0214, 30.6158**.

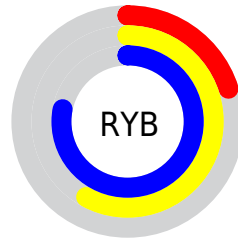
# Distribution



Red (20%)

Green (78%)

Blue (50%)



Red (20%)

Yellow (58%)

Blue (78%)

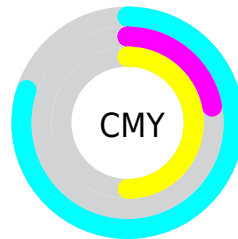


Cyan (74%)

Magenta (0%)

Yellow (36%)

Black (22%)



Cyan (80%)

Magenta (22%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6704, 43.1092, 27.0466 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 25.6704, 43.1092, 27.0466 by changing the saturation by 10% instead.





 25.6704, 43.1092,  
27.0466


 25.6704, 43.1092,  
27.0466


273.4468,  
359.0607, 301.6500


 16.7086, 29.9708,  
17.3755


 52.1778, 79.8756,  
55.9633

 10.1210, 19.8164,  
10.3378


 70.4542, 104.2724,  
76.0459


 5.5421, 12.2617,  
5.5150


 92.5661, 133.1908,  
100.4362

 2.6067, 6.9222,  
2.4885

 118.8790,  
167.0152, 129.5525

 0.9494, 3.4135,  
0.8340

 149.7581,  
206.1300, 163.8135

 0.0000, 1.3512,  
0.0000

185.5689,

 0.0000, 0.1803,

250.9196, 203.6378

0.0000

226.6767,  
301.7683, 249.4437

■ 0.0000, 0.0000,  
0.0000

■ 25.6704, 43.1092,  
27.0466

■ 25.6704, 43.1092,  
27.0466

■ 24.2490, 42.4475,  
23.8234

■ 27.5870, 44.0214,  
30.6158

■ 23.2593, 42.0003,  
20.9312

■ 30.0455, 45.2045,  
34.5390

■ 22.7992, 41.7984,  
19.3146

■ 33.0904, 46.6824,  
38.8276

■ 36.7606, 48.4751,  
43.4915

■ 41.0916, 50.6005,  
48.5401

■ 46.1160, 53.0754,  
53.9826

■ 51.8642, 55.9153,  
59.8276

■ 58.3648, 59.1348,  
66.0837

■ 65.6449, 62.7476,  
72.7589

# Harmonies

## Analogous

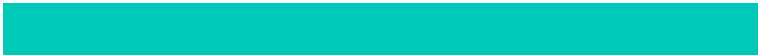
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7327, 43.1092, 14.3857



25.6704, 43.1092, 27.0466



24.4103, 43.1092, 52.0467

# Triad

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



25.6704, 43.1092, 27.0466



42.7208, 43.1092, 127.8107



59.1704, 43.1092, 21.5508

# Complementary

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



25.6704, 43.1092, 27.0466



28.4208, 16.0544, 20.6717

# 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.



63.7188, 43.1092, 42.1761



25.6704, 43.1092, 27.0466



53.2698, 43.1092, 109.3823

# Square

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



25.6704, 43.1092, 27.0466



33.2621, 43.1092, 118.2847



61.3986, 43.1092, 74.7665



49.7943, 43.1092, 12.2577



# Rectangle

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



25.6704, 43.1092, 27.0466



25.6811, 43.1092, 74.8887



61.3986, 43.1092, 74.7665



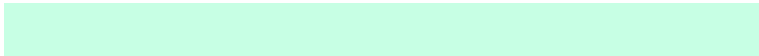
61.3795, 43.1092, 26.9846

# Sweetspot

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



25.6715, 43.1109, 27.0476



73.2239, 89.2233, 86.4136



29.5754, 45.4944, 10.4719



15.1899, 18.8599, 17.9546



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.



25.6715, 43.1109, 27.0476



41.2619, 73.7762, 38.3860



32.1498, 45.7022, 61.1618



10.7195, 11.9767, 12.4731



14.7042, 26.8941, 12.6530



0.7328, 1.2880, 0.7915



# Inverse Universe

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



28.4208, 16.0544, 20.6717



46.3322, 23.9632, 26.6909



25.4022, 14.8470, 4.7763



10.8468, 10.7221, 12.1763



16.5909, 8.3859, 8.3214

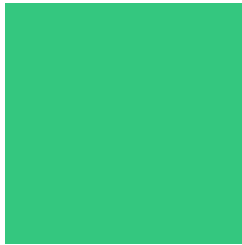


0.8222, 0.4117, 0.5866



# Previews

## White Background



This preview shows how the XYZ color 25.6704, 43.1092, 27.0466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

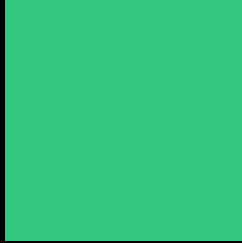
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.6704, 43.1092, 27.0466 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

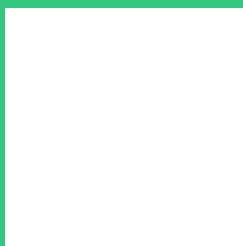
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.6704, 43.1092, 27.0466**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.6704, 43.1092, 27.0466.



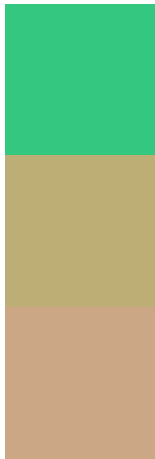
This preview shows how white text looks on a background with the XYZ color 25.6704, 43.1092,



# 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

25.6704, 43.1092, 27.0466

### Protanopia

39.3332, 42.3753, 22.9358

### Deuteranopia

43.0236, 42.1960, 28.4313



## Tritanopia

33.1792, 43.1660, 64.3407

# Trichromacy



## Original Color

25.6704, 43.1092, 27.0466



## Protanomaly

31.0321, 40.7364, 24.3165



## Deuteranomaly

32.6113, 40.2685, 27.5265



## Tritanomaly

29.7534, 42.7307, 48.2747

# Monochromacy



## Original Color

25.6704, 43.1092, 27.0466



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

25.0519, 32.6106, 29.7850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.6704, 43.1092, 27.0466 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(52, 199, 127)` looks like.

```
.text, #text, p{  
    color:rgb(52, 199, 127)  
}
```

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(52, 199, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 199, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 25.6704, 43.1092, 27.0466 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(52, 199, 127) }
```



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

```
.border{ border-color:rgb(52, 199, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 199, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 199, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 199, 127);  
box-shadow:4px 4px 4px 4px rgb(52, 199,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.6704, 43.1092, 27.0466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 199, 127) }
```

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

```
.background{ background-color: rgb(52, 199,  
127) }
```

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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