

# Converting Colors

XYZ(25.0791, 36.3933, 26.8219)

Have a look what the booklet for  
XYZ(25.0791, 36.3933, 26.8219)  
contains.

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# Color

**XYZ(25.0791, 36.3933,  
26.8219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61B382
RGB	97, 179, 130
RGB Percent	38%, 70%, 51%
CMY	0.6196, 0.2980, 0.4902
CMYK	0.46, 0.00, 0.27, 0.30
HSL	144°, 35%, 54%
HSV	144°, 46%, 70%
XYZ	25.0791, 36.3933, 26.8219
YIQ	148.8960, -33.1430, -32.6230

# Conversions

## Conversions Part 2

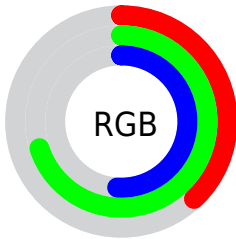
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">97, 155, 179</a>
Decimal	<a href="#">6402946</a>
CIELab	<a href="#">66.82, -36.28, 17.42</a>
CIElCh	<a href="#">67, 40.248, 154.356</a>
Yxy	<a href="#">36.3933, 0.2840, 0.4122</a>
Android (android.graphics.Color)	<a href="#">4284593026 (0xFF61B382)</a>
YUV	<a href="#">148.8960, -9.3157, -45.5128</a>
Hunter-Lab	<a href="#">60.3269, -31.3659, 15.8679</a>

# Details

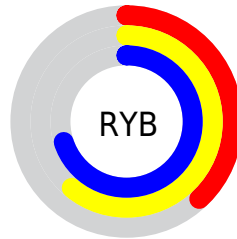
The XYZ color **25.0791, 36.3933, 26.8219** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **28.0546, 20.2091, 29.6175**, and the grayscale version is **28.5720, 30.0599, 32.7353**.

A 20% lighter version of the original color is **51.2045, 69.5110, 55.5179**, and **9.8233, 15.9723, 10.1546** is the 20% darker color. If you saturate the color by 10%, you get **22.7018, 35.2474, 23.1559**, and if you desaturate by 10%, it is **27.9634, 37.7939, 30.9029**.

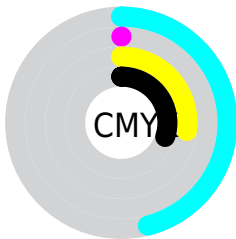
# Distribution



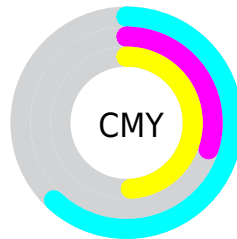
- Red (38%)
- Green (70%)
- Blue (51%)



- Red (38%)
- Yellow (61%)
- Blue (70%)



- Cyan (46%)
- Magenta (0%)
- Yellow (27%)
- Black (30%)




- Cyan (62%)
- Magenta (30%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0791, 36.3933, 26.8219 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 25.0791, 36.3933, 26.8219 by changing the saturation by 10% instead.





 25.0791, 36.3933,  
26.8219


 25.0791, 36.3933,  
26.8219


270.5720,  
330.6763, 300.5266


 16.2650, 24.7381,  
17.2083

 51.2275, 69.6387,  
55.5982


 9.8039, 15.8820,  
10.2196


 69.2925, 91.9977,  
75.5979

 5.3304, 9.4407,  
5.4373


 91.1719, 118.6933,  
99.8968

 2.4791, 5.0297,  
2.4428

 117.2311,  
150.1101, 128.9133

 0.8848, 2.2647,  
0.8096

147.8353,  
186.6325, 163.0660

 0.0000, 0.7549,  
0.0000

183.3500,

 0.0000, 0.0000,

228.6447, 202.7734

0.0000

224.1404,  
276.5311, 248.4541

■ 25.0791, 36.3933,  
26.8219

■ 25.0791, 36.3933,  
26.8219

■ 22.7018, 35.2474,  
23.1559

■ 27.9634, 37.7939,  
30.9029

■ 20.7969, 34.3358,  
19.8891

■ 31.3805, 39.4592,  
35.4091

■ 19.3301, 33.6419,  
17.0082

■ 35.3578, 41.4043,  
40.3534


■ 18.2607, 33.1450,  
14.4982


■ 39.9202, 43.6417,  
45.7475


■ 17.5373, 32.8190,  
12.3428


■ 45.0907, 46.1829,  
51.6025

 17.2917, 32.7100,  
11.5395

 50.8913, 49.0392,  
57.9291

 57.3428, 52.2211,  
64.7379

 64.4650, 55.7385,  
72.0388

 71.1256, 59.0075,  
79.7878

# Harmonies

## Analogous

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



28.3994, 36.3933, 17.9017



25.0791, 36.3933, 26.8219



24.1871, 36.3933, 42.2260

# Triad

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



25.0791, 36.3933, 26.8219



35.4870, 36.3933, 83.3062



45.1763, 36.3933, 23.5652

# Complementary

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



25.0791, 36.3933, 26.8219



28.0546, 20.2091, 29.6175

# 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.



47.6173, 36.3933, 37.1352



25.0791, 36.3933, 26.8219



41.6223, 36.3933, 74.2238

# Square

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



25.0791, 36.3933, 26.8219



29.7704, 36.3933, 78.1585



46.2464, 36.3933, 55.9681



39.9052, 36.3933, 16.4447



# Rectangle

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



25.0791, 36.3933, 26.8219



24.9895, 36.3933, 55.1132



46.2464, 36.3933, 55.9681



46.3815, 36.3933, 27.3516

# Sweetspot

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



25.0801, 36.3948, 26.8227



64.5377, 74.7463, 73.7354



30.1686, 39.2343, 17.2925



13.9340, 16.3816, 15.8959



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



25.0801, 36.3948, 26.8227



40.6113, 63.1028, 41.3963



28.3826, 37.7158, 44.2138



8.5260, 9.5449, 9.7634



12.2490, 23.1256, 8.3142



0.4146, 0.7393, 0.4155



# Inverse Universe

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



28.0546, 20.2091, 29.6175



46.5964, 30.4735, 46.9747



25.4262, 19.1578, 15.7767



8.7023, 8.5877, 9.9310



15.0437, 7.5350, 10.6560



0.5013, 0.2483, 0.4824



# Previews

## White Background



This preview shows how the XYZ color 25.0791, 36.3933, 26.8219 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 25.0791, 36.3933, 26.8219 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 25.0791, 36.3933, 26.8219**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0791, 36.3933, 26.8219.



This preview shows how white text looks on a background with the XYZ color 25.0791, 36.3933,



# 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

25.0791, 36.3933, 26.8219

### Protanopia

33.4913, 35.7791, 23.5532

### Deuteranopia

36.5880, 35.7568, 27.8950



## Tritanopia

30.1710, 36.4297, 51.8958

# Trichromacy



**Original Color**

25.0791, 36.3933, 26.8219

**Protanomaly**

29.3814, 35.5057, 24.7068

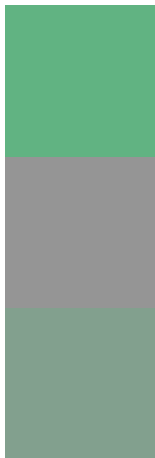
**Deuteranomaly**

30.8355, 35.1144, 27.3429

**Tritanomaly**

28.1568, 36.4773, 41.6332

# Monochromacy



**Original Color**

25.0791, 36.3933, 26.8219

**Achromatopsia**

28.5667, 30.0544, 32.7292

**Achromatomaly**

26.6592, 31.8404, 30.3319

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0791, 36.3933, 26.8219 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(97, 179, 130)` looks like.

```
.text, #text, p{  
    color:rgb(97, 179, 130)  
}
```

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(97, 179, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 179, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0791, 36.3933, 26.8219 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(97, 179, 130) }
```



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

```
.border{ border-color:rgb(97, 179, 130) }
```

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

Here you see how a box with a 4 pixel rgb(97, 179, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 179, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 179, 130);  
box-shadow:4px 4px 4px 4px rgb(97, 179,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0791, 36.3933, 26.8219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 179, 130) }
```

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

```
.background{ background-color: rgb(97, 179,  
130) }
```

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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