

# Converting Colors

XYZ(39.9558, 61.4188, 32.5291)

Have a look what the booklet for  
XYZ(39.9558, 61.4188, 32.5291)  
contains.

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# Color

**XYZ(39.8623, 61.2291,  
32.6391)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78E487
RGB	120, 228, 135
RGB Percent	47%, 89%, 53%
CMY	0.5294, 0.1059, 0.4706
CMYK	0.47, 0.00, 0.41, 0.11
HSL	128°, 67%, 68%
HSV	128°, 47%, 89%
XYZ	39.8623, 61.2291, 32.6391
YIQ	185.1060, -34.5150, -51.8190

# Conversions

## Conversions Part 2

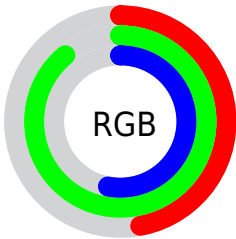
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 215, 228
Decimal	7922823
CIELab	82.50, -50.31, 35.98
CIELCh	83, 61.854, 144.431
Yxy	61.2291, 0.2981, 0.4579
Android (android.graphics.Color)	4286112903 (0xFF78E487)
YUV	185.1060, -24.7023, -57.0980
Hunter-Lab	78.2490, -46.0028, 30.0434

# Details

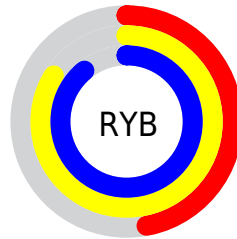
The XYZ color **39.8623, 61.2291, 32.6391** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **50.7235, 34.7322, 66.9834**, and the grayscale version is **46.3213, 48.7336, 53.0709**.

A 20% lighter version of the original color is **63.3054, 84.6591, 61.1484**, and **18.2772, 31.1372, 13.4343** is the 20% darker color. If you saturate the color by 10%, you get **35.8116, 59.2879, 25.8875**, and if you desaturate by 10%, it is **44.9238, 63.6655, 40.7713**.

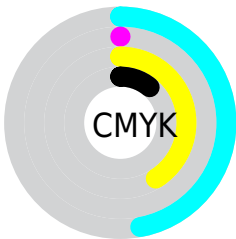
# Distribution



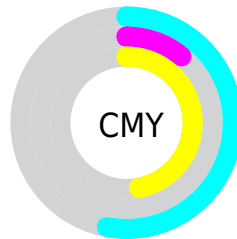
- Red (47%)
- Green (89%)
- Blue (53%)



- Red (47%)
- Yellow (84%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)




- Cyan (53%)
- Magenta (11%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8623, 61.2291, 32.6391 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 39.8623, 61.2291, 32.6391 by changing the saturation by 10% instead.





 39.8623, 61.2291,  
32.6391


 39.8623, 61.2291,  
32.6391


336.6872,  
429.1135, 328.6023


 27.6149, 44.4101,  
21.5813


 74.2395, 106.6106,  
64.9212

 18.1746, 30.9930,  
13.3542


 97.1000, 135.9418,  
86.9825

 11.1758, 20.5935,  
7.5393


 124.2289,  
170.2126, 113.5487

 6.2534, 12.8272,  
3.7181

155.9916,  
209.8074, 145.0384

 3.0419, 7.3097,  
1.4720

192.7534,  
255.1104, 181.8700

 1.1760, 3.6565,  
0.1969

234.8797,

 0.0873, 1.4833,

306.5062, 224.4622

0.0000

282.7359,  
364.3791, 273.2335

■ 0.0000, 0.2770,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.8623, 61.2291,  
32.6391

■ 39.8623, 61.2291,  
32.6391

■ 35.8116, 59.2879,  
25.8875

■ 44.9238, 63.6655,  
40.7713

■ 32.6987, 57.8006,  
20.4358


■ 51.0535, 66.6197,  
50.3505


■ 30.4483, 56.7319,  
16.2016


■ 58.3097, 70.1224,  
61.4437

■ 28.9709, 56.0376,  
13.0911


■ 66.7453, 74.1994,  
74.1126

 28.1510, 55.6604,  
10.9965

 76.4097, 78.8751,  
88.4155

 28.0008, 55.5916,  
10.5975

 86.6829, 83.8285,  
104.3765

 87.0346, 83.9691,  
106.2282

# Harmonies

## Analogous

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



48.2979, 61.2291, 19.9083



39.8623, 61.2291, 32.6391



36.3749, 61.2291, 59.8458

# Triad

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



39.8623, 61.2291, 32.6391



55.7628, 61.2291, 168.6228



84.5611, 61.2291, 40.8509

# Complementary

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



39.8623, 61.2291, 32.6391



50.7235, 34.7322, 66.9834

# 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.



87.3590, 61.2291, 73.9901



39.8623, 61.2291, 32.6391



69.3627, 61.2291, 157.4113

# Square

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



39.8623, 61.2291, 32.6391



44.6198, 61.2291, 145.2064



81.4338, 61.2291, 118.6503



74.2806, 61.2291, 23.2365



# Rectangle

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



39.8623, 61.2291, 32.6391



36.8761, 61.2291, 86.5190



81.4338, 61.2291, 118.6503



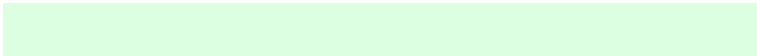
86.4673, 61.2291, 50.1126

# Sweetspot

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



39.8638, 61.2317, 32.6405



78.5534, 92.0225, 84.3269



58.7509, 71.0818, 28.3934



16.3287, 19.4623, 17.3176



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.



39.8638, 61.2317, 32.6405



46.1654, 76.4200, 33.3797



44.6111, 63.1306, 57.6393



14.2704, 16.1216, 15.6889



16.1933, 32.1094, 6.2523



1.2226, 2.3832, 0.5990



# Inverse Universe

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



50.7235, 34.7322, 66.9834



61.7464, 38.3237, 82.5973



45.0233, 32.4521, 36.9665



14.9045, 14.5790, 17.6974



24.2834, 11.8476, 31.4510

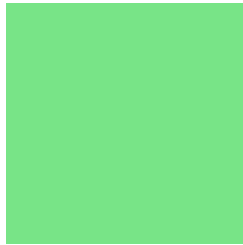


1.8183, 0.8850, 2.4496



# Previews

## White Background



This preview shows how the XYZ color 39.8623, 61.2291, 32.6391 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 39.8623, 61.2291, 32.6391 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

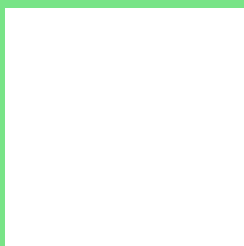
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.8623, 61.2291, 32.6391**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8623, 61.2291, 32.6391.



This preview shows how white text looks on a background with the XYZ color 39.8623, 61.2291, 32.6391.



# 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

39.8623, 61.2291, 32.6391

### Protanopia

55.7902, 60.3801, 28.4527

### Deuteranopia

61.4352, 60.0681, 34.3429



## Tritanopia

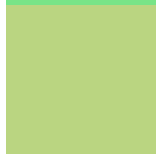
50.5625, 60.8030, 86.9131

# Trichromacy



## Original Color

39.8623, 61.2291, 32.6391



## Protanomaly

48.0064, 59.6126, 29.7451



## Deuteranomaly

50.3352, 58.5249, 33.4544



## Tritanomaly

45.6178, 60.3319, 62.6670

# Monochromacy



## Original Color

39.8623, 61.2291, 32.6391



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

42.5596, 52.1404, 44.3802

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8623, 61.2291, 32.6391 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(120, 228, 135)` looks like.

```
.text, #text, p{  
    color:rgb(120, 228, 135)  
}
```

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(120, 228, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 228, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8623, 61.2291, 32.6391 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(120, 228, 135) }
```



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

```
.border{ border-color:rgb(120, 228, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 228, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 228, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 228, 135); box-shadow:4px 4px 4px 4px rgb(120, 228, 135) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8623, 61.2291, 32.6391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 228, 135) }
```

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

```
.background{ background-color: rgb(120,  
228, 135) }
```

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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