

# Converting Colors

XYZ(39.5787, 40.6740, 26.1184)

Have a look what the booklet for  
XYZ(39.5787, 40.6740, 26.1184)  
contains.

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# Color

**XYZ(39.6371, 40.7702,  
26.2024)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0A880
RGB	192, 168, 128
RGB Percent	75%, 66%, 50%
CMY	0.2471, 0.3412, 0.4980
CMYK	0.00, 0.12, 0.33, 0.25
HSL	38°, 34%, 63%
HSV	38°, 33%, 75%
XYZ	39.6371, 40.7702, 26.2024
YIQ	170.6160, 27.1440, -7.3520

# Conversions

## Conversions Part 2

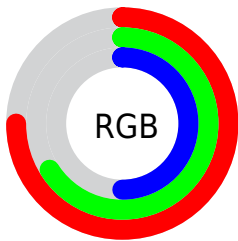
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 192, 128
Decimal	12626048
CIE <sub>Lab</sub>	70.01, 2.81, 23.90
CIE <sub>LCh</sub>	70, 24.064, 83.306
Yxy	40.7702, 0.3718, 0.3824
Android (android.graphics.Color)	4290816128 (0xFFC0A880)
YUV	170.6160, -21.0097, 18.7538
Hunter-Lab	63.8515, -0.9328, 20.3656

# Details

The XYZ color **39.6371, 40.7702, 26.2024** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.6444, 30.8505, 54.2615**, and the grayscale version is **38.6094, 40.6201, 44.2352**.

A 20% lighter version of the original color is **73.7951, 76.2513, 54.5446**, and **17.9371, 18.3592, 9.8060** is the 20% darker color. If you saturate the color by 10%, you get **37.1989, 37.7284, 19.7337**, and if you desaturate by 10%, it is **42.3901, 44.0586, 33.9567**.

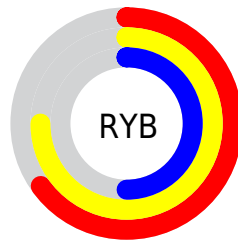
# Distribution



Red (75%)

Green (66%)

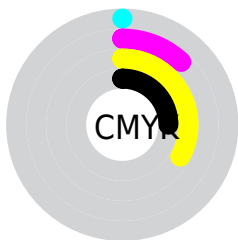
Blue (50%)



Red (65%)

Yellow (75%)

Blue (50%)

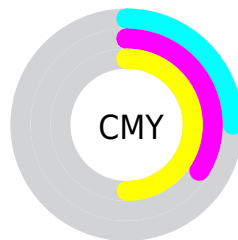


Cyan (0%)

Magenta (12%)

Yellow (33%)

Black (25%)



Cyan (25%)

Magenta (34%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6371, 40.7702, 26.2024 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 39.6371, 40.7702, 26.2024 by changing the saturation by 10% instead.





 39.6371, 40.7702,  
26.2024


 39.6371, 40.7702,  
26.2024


335.7523,  
349.3593, 297.4113

 27.4387, 28.1396,  
16.7480


 73.8984, 76.3349,  
54.5894

 18.0412, 18.4309,  
9.8949


 96.6921, 100.0378,  
74.3590

 11.0795, 11.2598,  
5.2247


 123.7481,  
128.2002, 98.4042

 6.1880, 6.2419,  
2.3186

155.4320,  
161.2066, 127.1434

 3.0015, 2.9927,  
0.7416

192.1089,  
199.4413, 160.9951

 1.1545, 1.1279,  
0.0000

234.1444,

 0.0700, 0.0016,

243.2887, 200.3780

0.0000

281.9038,  
293.1332, 245.7105

■ 0.0000, 0.0000,  
0.0000

■ 39.6371, 40.7702,  
26.2024

■ 39.6371, 40.7702,  
26.2024

■ 37.1989, 37.7284,  
19.7337

■ 42.3901, 44.0586,  
33.9567

■ 35.0577, 34.9197,  
14.4766

■ 45.4685, 47.5953,  
43.0602

■ 33.1984, 32.3378,  
10.3531

■ 48.8860, 51.3890,  
53.5751

■ 31.6033, 29.9734,  
7.2751

■ 52.6545, 55.4463,  
65.5591

■ 30.2518, 27.8163,  
5.1413

■ 56.7855, 59.7734,  
79.0666

■ 29.1195, 25.8548,  
3.8298

■ 61.2896, 64.3763,  
94.1492

■ 28.4562, 24.6425,  
3.2567

■ 64.9624, 68.7748,  
104.4587

■ 66.8745, 72.5989,  
105.0961

■ 68.8687, 76.5873,  
105.7608

# Harmonies

## Analogous

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



43.4368, 40.7702, 29.2210



39.6371, 40.7702, 26.2024



35.8416, 40.7702, 27.3560

# Triad

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



39.6371, 40.7702, 26.2024



32.2259, 40.7702, 53.5021



45.1215, 40.7702, 58.5971

# Complementary

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



39.6371, 40.7702, 26.2024



29.6444, 30.8505, 54.2615

# 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.



41.8135, 40.7702, 67.3430



39.6371, 40.7702, 26.2024



34.4147, 40.7702, 64.0716

# Square

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



39.6371, 40.7702, 26.2024



31.7295, 40.7702, 41.9201



37.8779, 40.7702, 69.4990



46.7384, 40.7702, 46.9588



# Rectangle

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



39.6371, 40.7702, 26.2024



33.8024, 40.7702, 30.4501



37.8779, 40.7702, 69.4990



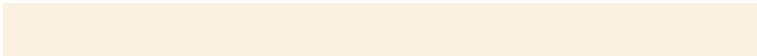
44.1601, 40.7702, 62.0473

# Sweetspot

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



39.6381, 40.7721, 26.2032



84.2833, 88.3698, 83.7847



35.1690, 28.9298, 33.6661



17.8982, 18.7530, 17.4156



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



39.6381, 40.7721, 26.2032



68.5377, 69.8037, 38.6900



42.6412, 49.5142, 27.7324



10.5858, 11.1031, 10.6471



19.2248, 16.7353, 2.2170



0.8951, 0.8519, 0.1173



# Inverse Universe

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



29.6444, 30.8505, 54.2615



47.6655, 49.0926, 97.3239



27.3009, 24.4343, 53.1466



9.8308, 10.3529, 12.7650



8.0303, 5.8171, 34.2562



0.4134, 0.3841, 1.5022



# Previews

## White Background



This preview shows how the XYZ color 39.6371, 40.7702, 26.2024 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 39.6371, 40.7702, 26.2024 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

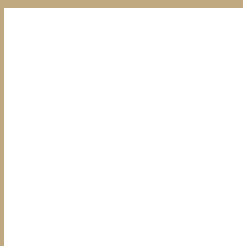
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.6371, 40.7702, 26.2024**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6371, 40.7702, 26.2024.



This preview shows how white text looks on a background with the XYZ color 39.6371, 40.7702,



# 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

39.6371, 40.7702, 26.2024

### Protanopia

38.0538, 40.7781, 26.6342

### Deuteranopia

41.5950, 40.6925, 26.4310



## Tritanopia

43.5863, 40.7670, 45.6160

# Trichromacy



## Original Color

39.6371, 40.7702, 26.2024

## Protanomaly

38.5869, 40.7735, 26.6052

## Deuteranomaly

40.7063, 40.5010, 26.4409

## Tritanomaly

41.8669, 40.5873, 37.5258

# Monochromacy



## Original Color

39.6371, 40.7702, 26.2024

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

38.8815, 40.6997, 36.8169

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6371, 40.7702, 26.2024 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(192, 168, 128)` looks like.

```
.text, #text, p{  
    color:rgb(192, 168, 128)  
}
```

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(192, 168, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 168, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6371, 40.7702, 26.2024 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(192, 168, 128) }
```



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

```
.border{ border-color:rgb(192, 168, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 168, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 168, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 168, 128);  
box-shadow:4px 4px 4px 4px rgb(192, 168,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6371, 40.7702, 26.2024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 168, 128) }
```

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

```
.background{ background-color: rgb(192,  
168, 128) }
```

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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