

Converting Colors

XYZ(40.0276, 49.1640, 41.2162)

Have a look what the booklet for
XYZ(40.0276, 49.1640, 41.2162)
contains.

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Color

**XYZ(40.0776, 49.2212,
41.1065)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC4A1
RGB	157, 196, 161
RGB Percent	62%, 77%, 63%
CMY	0.3843, 0.2314, 0.3686
CMYK	0.20, 0.00, 0.18, 0.23
HSL	126°, 25%, 69%
HSV	126°, 20%, 77%
XYZ	40.0776, 49.2212, 41.1065
YIQ	180.3490, -12.0090, -19.1530

Conversions

Conversions Part 2

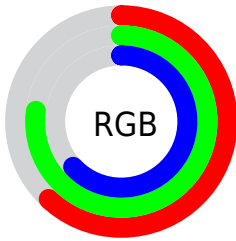
Format	Color
RYB	157, 192, 196
Decimal	10339489
CIELab	75.59, -19.84, 13.36
CIElCh	76, 23.923, 146.041
Yxy	49.2212, 0.3073, 0.3774
Android (android.graphics.Color)	4288529569 (0xFF9DC4A1)
YUV	180.3490, -9.5391, -20.4771
Hunter-Lab	70.1578, -20.8082, 14.3716

Details

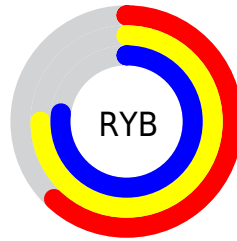
The XYZ color **40.0776, 49.2212, 41.1065** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.3381, 39.6566, 55.1891**, and the grayscale version is **43.6254, 45.8973, 49.9822**.

A 20% lighter version of the original color is **74.6713, 89.2055, 78.2485**, and **18.2590, 23.4534, 18.0326** is the 20% darker color. If you saturate the color by 10%, you get **35.1124, 46.8298, 33.3387**, and if you desaturate by 10%, it is **45.8772, 52.0204, 50.0546**.

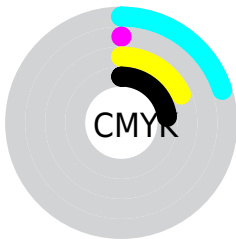
Distribution



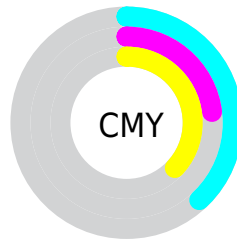
- Red (62%)
- Green (77%)
- Blue (63%)



- Red (62%)
- Yellow (75%)
- Blue (77%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)



- Cyan (38%)
- Magenta (23%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0776, 49.2212, 41.1065 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 40.0776, 49.2212, 41.1065 by changing the saturation by 10% instead.

■ 40.0776, 49.2212,
41.1065

■ 40.0776, 49.2212,
41.1065

337.5793,
383.6125, 366.4553

■ 27.7835, 34.7950,
28.0820

■ 74.5653, 89.0199,
78.1010

■ 18.3022, 23.5050,
18.1479

■ 97.4896, 115.1612,
102.9080

■ 11.2681, 14.9668,
10.8857

124.6880,
145.9762, 132.4796

■ 6.3161, 8.7961,
5.8768

156.5259,
181.8495, 167.2343

■ 3.0807, 4.6084,
2.7027

193.3686,
223.1654, 207.5907

■ 1.1966, 2.0194,
0.9448

235.5815,

■ 0.1037, 0.6187,

270.3082, 253.9674

0.0000

283.5300,
323.6625, 306.7827

■ 0.0000, 0.0000,
0.0000

■ 40.0776, 49.2212,
41.1065

■ 40.0776, 49.2212,
41.1065

■ 35.1124, 46.8298,
33.3387

■ 45.8772, 52.0204,
50.0546

■ 30.9394, 44.8211,
26.6989

■ 52.5430, 55.2385,
60.2259

■ 27.5186, 43.1772,
21.1356

■ 60.1100, 58.8941,
71.6653

■ 24.8050, 41.8761,
16.5921

■ 68.6101, 63.0026,
84.4143

■ 22.7488, 40.8933,
13.0064

■ 78.0723, 67.5784,
98.5125

■ 21.2935, 40.2012,
10.3099

■ 79.0309, 67.9618,
103.5603

■ 20.3731, 39.7675,
8.4249

■ 19.8722, 39.5346,
7.2586

■ 19.8681, 39.5327,
7.2501

Harmonies

Analogous

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



43.1479, 49.2212, 34.5526



40.0776, 49.2212, 41.1065



38.8013, 49.2212, 51.9295

Triad

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



40.0776, 49.2212, 41.1065



46.1986, 49.2212, 81.7502



54.8483, 49.2212, 43.5956

Complementary

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



40.0776, 49.2212, 41.1065



44.3381, 39.6566, 55.1891

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.



55.7911, 49.2212, 55.2928



40.0776, 49.2212, 41.1065



50.6173, 49.2212, 78.5921

Square

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



40.0776, 49.2212, 41.1065



42.1915, 49.2212, 76.4415



54.1981, 49.2212, 68.3833



51.6967, 49.2212, 35.8228

Rectangle

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



40.0776, 49.2212, 41.1065



39.0763, 49.2212, 60.6099



54.1981, 49.2212, 68.3833



55.4423, 49.2212, 47.1407

Sweetspot

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



40.0789, 49.2233, 41.1076



87.5109, 96.3598, 97.4171



47.5914, 53.1362, 39.6468



18.5630, 20.5439, 20.5946



0.0000, 0.0000, 0.0000



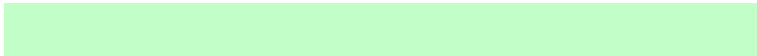
20.3446, 21.4041, 23.3091

Same Dimension

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



40.0789, 49.2233, 41.1076



68.3912, 87.1366, 67.9052



41.9251, 49.9618, 50.8295



9.9855, 11.2752, 10.9269



12.7809, 25.4064, 4.7394



0.5667, 1.1035, 0.2808

Inverse Universe

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



44.3381, 39.6566, 55.1891



77.5430, 66.5769, 98.1599



42.3277, 38.8525, 44.6021



10.4513, 10.2291, 12.4673



19.6748, 9.5597, 27.2632



0.8632, 0.4183, 1.2469

Previews

White Background



This preview shows how the XYZ color 40.0776, 49.2212, 41.1065 looks on a white background.

Color Contrast Check

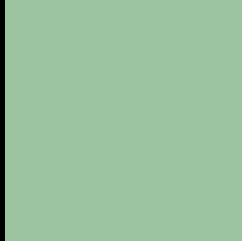
Large Text (above 18pt) WCAG AA × Fail

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 40.0776, 49.2212, 41.1065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

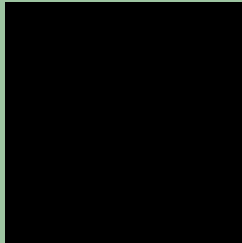
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0776, 49.2212, 41.1065

Background



This preview shows how black text looks on a background with the XYZ color 40.0776, 49.2212, 41.1065.



This preview shows how white text looks on a background with the XYZ color 40.0776, 49.2212,

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

40.0776, 49.2212, 41.1065

Protanopia

46.1147, 48.8340, 38.4479

Deuteranopia

49.7756, 48.8057, 42.3943



Tritanopia

44.9500, 49.2340, 64.8916

Trichromacy



Original Color

40.0776, 49.2212, 41.1065

Protanomaly

43.6606, 48.8089, 39.4677

Deuteranomaly

45.5357, 48.4546, 42.0747

Tritanomaly

42.9352, 49.0548, 55.3497

Monochromacy



Original Color

40.0776, 49.2212, 41.1065

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.1150, 46.9056, 46.3692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0776, 49.2212, 41.1065 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(157, 196, 161)` looks like.

```
.text, #text, p{  
    color:rgb(157, 196, 161)  
}
```

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(157, 196, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 196, 161) }
```

Border

The CSS property to change the border of an element to XYZ 40.0776, 49.2212, 41.1065 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(157, 196, 161) }
```


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

```
.border{ border-color:rgb(157, 196, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 196, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 196, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 196, 161);  
box-shadow:4px 4px 4px 4px rgb(157, 196,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0776, 49.2212, 41.1065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 196, 161) }
```

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

```
.background{ background-color: rgb(157,  
196, 161) }
```

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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