

Converting Colors

XYZ(40.7737, 51.2321, 40.1618)

Have a look what the booklet for
XYZ(40.7737, 51.2321, 40.1618)
contains.

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Color

**XYZ(40.7685, 51.3098,
40.1028)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC99E
RGB	156, 201, 158
RGB Percent	61%, 79%, 62%
CMY	0.3882, 0.2117, 0.3804
CMYK	0.22, 0.00, 0.21, 0.21
HSL	123°, 29%, 70%
HSV	123°, 22%, 79%
XYZ	40.7685, 51.3098, 40.1028
YIQ	182.6430, -13.0170, -22.9130

Conversions

Conversions Part 2

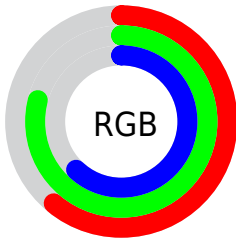
Format	Color
RYB	156, 199, 201
Decimal	10275230
CIELab	76.87, -23.21, 16.75
CIELCh	77, 28.622, 144.176
Yxy	51.3098, 0.3084, 0.3882
Android (android.graphics.Color)	4288465310 (0xFF9CC99E)
YUV	182.6430, -12.1490, -23.3659
Hunter-Lab	71.6309, -23.7612, 16.9479

Details

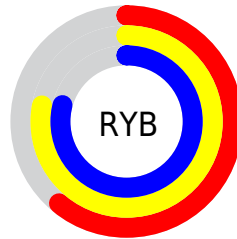
The XYZ color **40.7685, 51.3098, 40.1028** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.2864, 40.3191, 59.3779**, and the grayscale version is **44.8848, 47.2223, 51.4251**.

A 20% lighter version of the original color is **74.6342, 90.1730, 76.4223**, and **18.7442, 24.8511, 17.4445** is the 20% darker color. If you saturate the color by 10%, you get **35.6701, 48.8593, 31.8983**, and if you desaturate by 10%, it is **46.7717, 54.1999, 49.7006**.

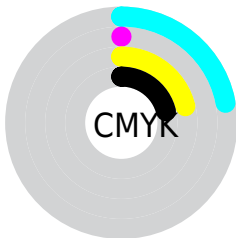
Distribution



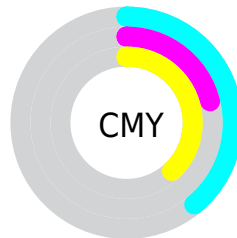
- Red (61%)
- Green (79%)
- Blue (62%)



- Red (61%)
- Yellow (78%)
- Blue (79%)



- Cyan (22%)
- Magenta (0%)
- Yellow (21%)
- Black (21%)



- Cyan (39%)
- Magenta (21%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7685, 51.3098, 40.1028 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 40.7685, 51.3098, 40.1028 by changing the saturation by 10% instead.

■ 40.7685, 51.3098,
40.1028

■ 40.7685, 51.3098,
40.1028

340.4313,
391.7662, 362.1216

■ 28.3251, 36.4552,
27.3043

■ 75.6093, 92.1125,
76.5588

■ 18.7126, 24.7860,
17.5674

■ 98.7374, 118.8295,
101.0534

■ 11.5656, 15.9177,
10.4737

126.1577,
150.2694, 130.2839

■ 6.5187, 9.4659,
5.6044

158.2358,
186.8165, 164.6686

■ 3.2066, 5.0463,
2.5412

195.3368,
228.8554, 204.6262

■ 1.2639, 2.2745,
0.8619

237.8261,

■ 0.1560, 0.7601,

276.7704, 250.5752

0.0000

286.0692,
330.9459, 302.9342

■ 0.0000, 0.0000,
0.0000

■ 40.7685, 51.3098,
40.1028

■ 40.7685, 51.3098,
40.1028

■ 35.6701, 48.8593,
31.8983

■ 46.7717, 54.1999,
49.7006

■ 31.4288, 46.8207,
25.0193

■ 53.7164, 57.5426,
60.7485

■ 27.9987, 45.1733,
19.3971

■ 61.6419, 61.3587,
73.3046

■ 25.3281, 43.8921,
14.9560

■ 70.5844, 65.6655,
87.4225

■ 23.3593, 42.9491,
11.6116

■ 80.0228, 70.1933,
103.1273

■ 22.0260, 42.3123,
9.2687

■ 80.1776, 70.2553,
103.9425

■ 21.2498, 41.9434,
7.8159

■ 20.9366, 41.7948,
7.2203

Harmonies

Analogous

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



44.6083, 51.3098, 32.7503



40.7685, 51.3098, 40.1028



39.0839, 51.3098, 52.8824

Triad

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



40.7685, 51.3098, 40.1028



47.7146, 51.3098, 91.2878



58.9482, 51.3098, 44.4740

Complementary

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



40.7685, 51.3098, 40.1028



46.2864, 40.3191, 59.3779

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.



59.9335, 51.3098, 58.9632



40.7685, 51.3098, 40.1028



53.1794, 51.3098, 87.8996

Square

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



40.7685, 51.3098, 40.1028



42.8982, 51.3098, 83.8510



57.7519, 51.3098, 75.3018



55.1511, 51.3098, 34.9261

Rectangle

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



40.7685, 51.3098, 40.1028



39.3127, 51.3098, 63.5310



57.7519, 51.3098, 75.3018



59.6305, 51.3098, 48.8468

Sweetspot

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



40.7699, 51.3120, 40.1039



86.1595, 95.7201, 94.7801



50.5757, 56.3868, 39.6711



18.2860, 20.4131, 20.0392



0.0000, 0.0000, 0.0000



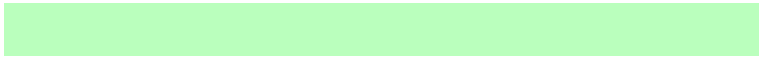
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7699, 51.3120, 40.1039



65.2544, 85.6612, 61.3590



42.8367, 52.1387, 50.9876



10.5163, 11.8954, 11.4028



13.1725, 26.2814, 4.5869



0.6305, 1.2471, 0.2531

Inverse Universe

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



46.2864, 40.3191, 59.3779



76.3916, 63.4655, 100.2689



43.9133, 39.3699, 46.8810



11.0620, 10.8082, 13.3095



21.1414, 10.2061, 32.2839



1.0075, 0.4858, 1.5626

Previews

White Background



This preview shows how the XYZ color 40.7685, 51.3098, 40.1028 looks on a white background.

Color Contrast Check

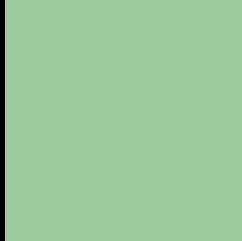
Large Text (above 18pt) WCAG AA × Fail

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 40.7685, 51.3098, 40.1028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

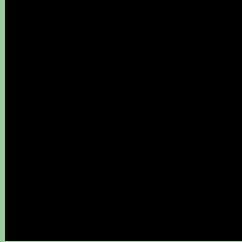
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7685, 51.3098, 40.1028

Background



This preview shows how black text looks on a background with the XYZ color 40.7685, 51.3098, 40.1028.

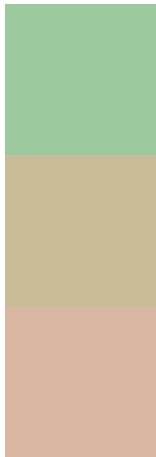


This preview shows how white text looks on a background with the XYZ color 40.7685, 51.3098,

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

40.7685, 51.3098, 40.1028

Protanopia

47.9525, 51.0797, 37.0378

Deuteranopia

51.8648, 50.8162, 41.2574



Tritanopia

46.4417, 51.2360, 68.4146

Trichromacy



Original Color

40.7685, 51.3098, 40.1028

Protanomaly

44.9103, 50.7873, 38.0078

Deuteranomaly

47.1363, 50.5705, 40.9949

Tritanomaly

44.2705, 51.3755, 56.8734

Monochromacy



Original Color

40.7685, 51.3098, 40.1028

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.2870, 48.7671, 47.1759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7685, 51.3098, 40.1028 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(156, 201, 158)` looks like.

```
.text, #text, p{  
    color:rgb(156, 201, 158)  
}
```

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(156, 201, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 201, 158) }
```

Border

The CSS property to change the border of an element to XYZ 40.7685, 51.3098, 40.1028 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(156, 201, 158) }
```


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

```
.border{ border-color:rgb(156, 201, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 201, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 201, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 201, 158);  
box-shadow:4px 4px 4px 4px rgb(156, 201,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7685, 51.3098, 40.1028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 201, 158) }
```

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

```
.background{ background-color: rgb(156,  
201, 158) }
```

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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