

Converting Colors

XYZ(40.7195, 50.8276, 40.0163)

Have a look what the booklet for
XYZ(40.7195, 50.8276, 40.0163)
contains.

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Color

**XYZ(40.7305, 50.9453,
40.0345)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC89E
RGB	157, 200, 158
RGB Percent	62%, 78%, 62%
CMY	0.3843, 0.2157, 0.3804
CMYK	0.22, 0.00, 0.21, 0.22
HSL	121°, 28%, 70%
HSV	121°, 22%, 78%
XYZ	40.7305, 50.9453, 40.0345
YIQ	182.3550, -12.1460, -22.1780

Conversions

Conversions Part 2

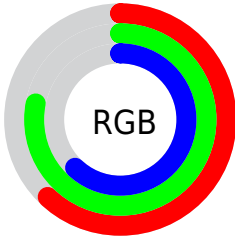
Format	Color
RYB	157, 199, 200
Decimal	10340510
CIELab	76.65, -22.37, 16.45
CIELCh	77, 27.772, 143.670
Yxy	50.9453, 0.3092, 0.3868
Android (android.graphics.Color)	4288530590 (0xFF9DC89E)
YUV	182.3550, -12.0070, -22.2363
Hunter-Lab	71.3760, -23.0474, 16.7077

Details

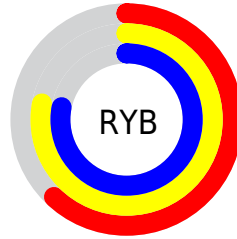
The XYZ color **40.7305, 50.9453, 40.0345** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.1870, 40.5180, 59.4215**, and the grayscale version is **44.7263, 47.0556, 51.2435**.

A 20% lighter version of the original color is **74.9216, 90.3211, 76.4357**, and **18.7584, 24.6226, 17.6739** is the 20% darker color. If you saturate the color by 10%, you get **35.5933, 48.4775, 31.7035**, and if you desaturate by 10%, it is **46.7766, 53.8536, 49.8055**.

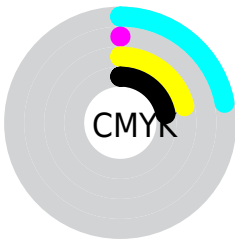
Distribution



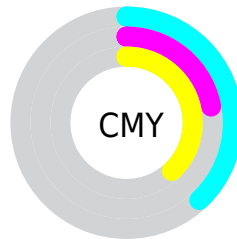
- Red (62%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (78%)



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



- Cyan (38%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7305, 50.9453, 40.0345 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 40.7305, 50.9453, 40.0345 by changing the saturation by 10% instead.

■ 40.7305, 50.9453,
40.0345

■ 40.7305, 50.9453,
40.0345

340.2748,
390.3512, 361.8254

■ 28.2953, 36.1651,
27.2515

■ 75.5519, 91.5739,
76.4537

■ 18.6900, 24.5617,
17.5281

■ 98.6688, 118.1911,
100.9270

■ 11.5491, 15.7508,
10.4458

126.0770,
149.5227, 130.1340

■ 6.5075, 9.3480,
5.5861

158.1419,
185.9532, 164.4934

■ 3.1996, 4.9689,
2.5304

195.2287,
227.8668, 204.4237

■ 1.2602, 2.2290,
0.8562

237.7030,

■ 0.1531, 0.7357,

275.6482, 250.3434

0.0000

285.9299,
329.6815, 302.6712

■ 0.0000, 0.0000,
0.0000

■ 40.7305, 50.9453,
40.0345

■ 40.7305, 50.9453,
40.0345

■ 35.5933, 48.4775,
31.7035

■ 46.7766, 53.8536,
49.8055

■ 31.3171, 46.4228,
24.7412

■ 53.7681, 57.2157,
61.0764

■ 27.8562, 44.7604,
19.0755

■ 61.7446, 61.0520,
73.9079

■ 25.1587, 43.4655,
14.6263

■ 70.7423, 65.3800,
88.3562

■ 23.1668, 42.5101,
11.3046

■ 79.9453, 69.7906,
103.8651

■ 21.8148, 41.8625,
9.0093

■ 21.0242, 41.4848,
7.6213

■ 20.6808, 41.3208,
7.0194

Harmonies

Analogous

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



44.4782, 50.9453, 32.9671



40.7305, 50.9453, 40.0345



39.0589, 50.9453, 52.3415

Triad

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



40.7305, 50.9453, 40.0345



47.3166, 50.9453, 89.4836



58.2767, 50.9453, 44.6468

Complementary

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



40.7305, 50.9453, 40.0345



46.1870, 40.5180, 59.4215

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.



59.1732, 50.9453, 58.7224



40.7305, 50.9453, 40.0345



52.5922, 50.9453, 86.4140

Square

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



40.7305, 50.9453, 40.0345



42.6800, 50.9453, 82.1976



57.0255, 50.9453, 74.4383



54.6572, 50.9453, 35.2739

Rectangle

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



40.7305, 50.9453, 40.0345



39.2538, 50.9453, 62.5934



57.0255, 50.9453, 74.4383



58.9169, 50.9453, 48.9100

Sweetspot

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



40.7319, 50.9475, 40.0356



87.3299, 96.2874, 96.4642



50.3708, 55.9264, 40.0389



18.5204, 20.5268, 20.3704



0.0000, 0.0000, 0.0000



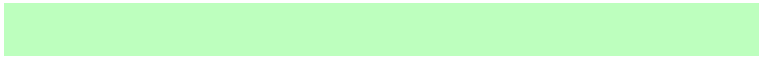
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7319, 50.9475, 40.0356



65.9927, 86.0288, 61.9814



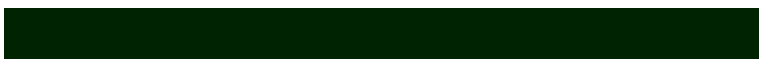
42.7191, 51.7423, 50.5000



10.5073, 11.8918, 11.3557



13.1535, 26.2738, 4.4871



0.6264, 1.2455, 0.2312

Inverse Universe

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



46.1870, 40.5180, 59.4215



77.1757, 64.6473, 101.7215



43.8922, 39.6001, 47.3372



11.0720, 10.8122, 13.3627



21.4383, 10.3249, 33.8474



1.0186, 0.4903, 1.6209

Previews

White Background



This preview shows how the XYZ color 40.7305, 50.9453, 40.0345 looks on a white background.

Color Contrast Check

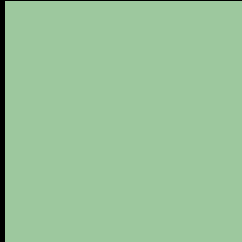
Large Text (above 18pt) WCAG AA × Fail

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 40.7305, 50.9453, 40.0345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

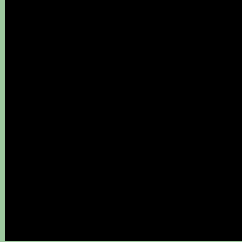
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

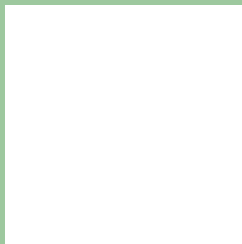
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7305, 50.9453, 40.0345

Background



This preview shows how black text looks on a background with the XYZ color 40.7305, 50.9453, 40.0345.

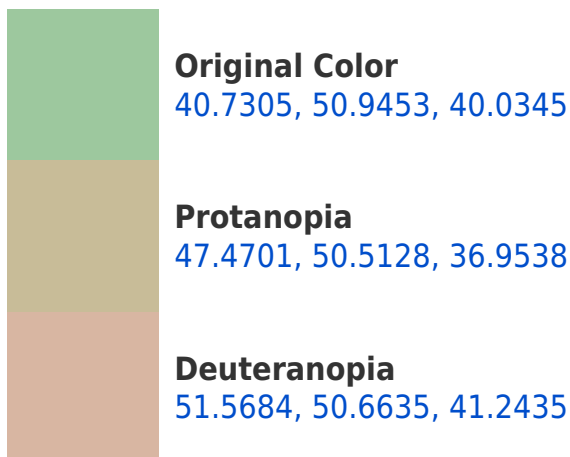


This preview shows how white text looks on a background with the XYZ color 40.7305, 50.9453,

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





Tritanopia

46.3045, 50.8504, 67.6962

Trichromacy



Original Color

40.7305, 50.9453, 40.0345

Protanomaly

44.4495, 50.2227, 37.9231

Deuteranomaly

47.1363, 50.5705, 40.9949

Tritanomaly

44.1384, 50.9841, 56.2298

Monochromacy



Original Color

40.7305, 50.9453, 40.0345

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.9740, 48.2966, 46.5924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7305, 50.9453, 40.0345 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, 200, 158)` looks like.

```
.text, #text, p{  
    color:rgb(157, 200, 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(157, 200, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 200, 158) }
```

Border

The CSS property to change the border of an element to XYZ 40.7305, 50.9453, 40.0345 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, 200, 158) }
```


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

```
.border{ border-color:rgb(157, 200, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 200, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 200, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 200, 158); box-shadow:4px 4px 4px 4px rgb(157, 200, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7305, 50.9453, 40.0345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 200, 158) }
```

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

```
.background{ background-color: rgb(157,  
200, 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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