

Converting Colors

XYZ(42.6137, 51.8612, 39.7415)

Have a look what the booklet for
XYZ(42.6137, 51.8612, 39.7415)
contains.

XYZ(42.6764, 51.9584, 39.6780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.6764, 51.9584,
39.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C89D
RGB	167, 200, 157
RGB Percent	65%, 78%, 62%
CMY	0.3451, 0.2157, 0.3843
CMYK	0.17, 0.00, 0.22, 0.22
HSL	106°, 28%, 70%
HSV	106°, 22%, 78%
XYZ	42.6764, 51.9584, 39.6780
YIQ	185.2310, -5.8650, -20.3690

Conversions

Conversions Part 2

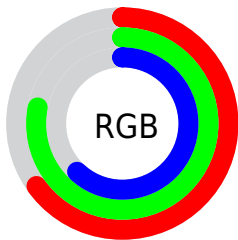
Format	Color
RYB	157, 200, 190
Decimal	10995869
CIELab	77.26, -19.09, 17.93
CIElCh	77, 26.194, 136.797
Yxy	51.9584, 0.3177, 0.3868
Android (android.graphics.Color)	4289185949 (0xFFA7C89D)
YUV	185.2310, -13.9179, -15.9886
Hunter-Lab	72.0822, -20.4625, 17.8210

Details

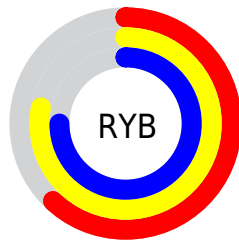
The XYZ color **42.6764, 51.9584, 39.6780** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.7198, 39.2328, 59.9148**, and the grayscale version is **46.3212, 48.7336, 53.0708**.

A 20% lighter version of the original color is **77.7679, 91.8031, 75.9083**, and **19.8198, 25.1758, 17.4505** is the 20% darker color. If you saturate the color by 10%, you get **38.0544, 49.7586, 31.2661**, and if you desaturate by 10%, it is **47.9657, 54.4729, 49.5824**.

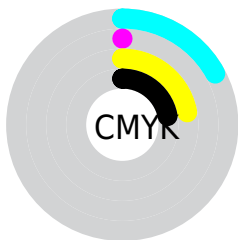
Distribution



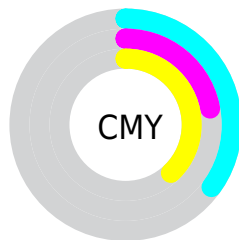
- Red (65%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)



- Cyan (35%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6764, 51.9584, 39.6780 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 42.6764, 51.9584, 39.6780 by changing the saturation by 10% instead.

■ 42.6764, 51.9584,
39.6780

■ 42.6764, 51.9584,
39.6780

348.2234,
394.2760, 360.2762

■ 29.8247, 36.9719,
26.9757

■ 78.4811, 93.0699,
75.9046

■ 19.8530, 25.1857,
17.3227

■ 102.1648,
119.9637, 100.2661

■ 12.3959, 16.2155,
10.3004

130.1898,
151.5954, 129.3510

■ 7.0880, 9.6768,
5.4904

162.9217,
188.3493, 163.5779

■ 3.5640, 5.1852,
2.4741

200.7256,
230.6100, 203.3653

■ 1.4586, 2.3563,
0.8264

243.9669,

■ 0.2974, 0.8033,

278.7617, 249.1318

0.0000

293.0111,
333.1889, 301.2959

■ 0.0000, 0.0000,
0.0000

■ 42.6764, 51.9584,
39.6780

■ 42.6764, 51.9584,
39.6780

■ 38.0544, 49.7586,
31.2661

■ 47.9657, 54.4729,
49.5824

■ 34.0685, 47.8545,
24.2711

■ 53.9436, 57.3072,
61.0432

■ 30.6912, 46.2351,
18.6160

■ 60.6354, 60.4743,
74.1247

■ 27.8914, 44.8863,
14.2151

■ 68.0642, 63.9849,
88.8865

■ 25.6347, 43.7923,
10.9725

■ 75.9272, 67.7193,
103.6771

■ 23.8831, 42.9361,
8.7789

■ 79.9453, 69.7907,
103.8651

■ 22.5929, 42.2979,
7.5038

■ 21.8049, 41.9033,
6.9389

Harmonies

Analogous

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



46.6471, 51.9584, 34.0176



42.6764, 51.9584, 39.6780



40.5693, 51.9584, 50.4909

Triad

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



42.6764, 51.9584, 39.6780



47.2125, 51.9584, 87.9879



59.2160, 51.9584, 48.9537

Complementary

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



42.6764, 51.9584, 39.6780



43.7198, 39.2328, 59.9148

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.



59.3931, 51.9584, 63.1268



42.6764, 51.9584, 39.6780



52.2278, 51.9584, 87.3867

Square

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



42.6764, 51.9584, 39.6780



43.0661, 51.9584, 79.2169



56.7620, 51.9584, 77.6918



56.2934, 51.9584, 38.7177

Rectangle

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



42.6764, 51.9584, 39.6780



40.4052, 51.9584, 59.9100



56.7620, 51.9584, 77.6918



59.6052, 51.9584, 53.3640

Sweetspot

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



42.6778, 51.9606, 39.6791



88.4947, 96.8940, 96.2428



48.3137, 51.5286, 39.2987



18.7946, 20.6697, 20.3183



0.0000, 0.0000, 0.0000



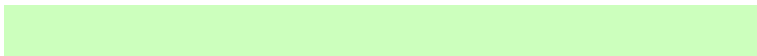
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6778, 51.9606, 39.6791



69.8463, 88.0348, 61.2847



41.6720, 51.3236, 44.9855



10.7245, 12.0049, 11.3147



13.9301, 26.6765, 4.4149



0.7257, 1.2972, 0.2121

Inverse Universe

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



43.7198, 39.2328, 59.9148



71.9773, 61.9388, 102.7695



45.0131, 40.0486, 53.2389



10.8327, 10.6875, 13.4094



15.1233, 7.0306, 35.3043



0.7765, 0.3640, 1.6745

Previews

White Background



This preview shows how the XYZ color 42.6764, 51.9584, 39.6780 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 42.6764, 51.9584, 39.6780 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 42.6764, 51.9584, 39.6780

Background



This preview shows how black text looks on a background with the XYZ color 42.6764, 51.9584, 39.6780.



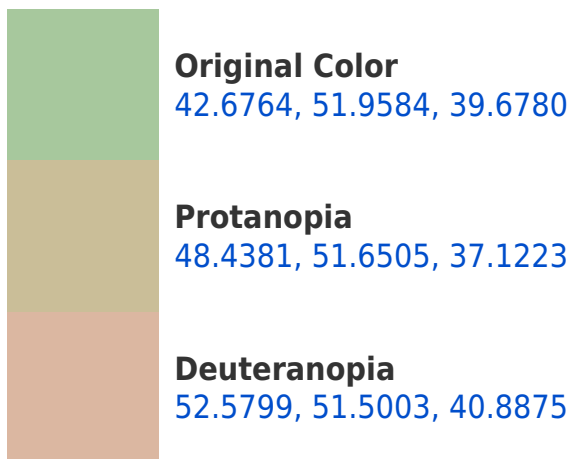
This preview shows how white text looks on a background with the XYZ color 42.6764, 51.9584,

39.6780.

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

48.1343, 51.8080, 67.1375

Trichromacy



Original Color

42.6764, 51.9584, 39.6780

Protanomaly

46.1108, 51.7355, 38.1275

Deuteranomaly

48.3622, 51.2126, 40.5938

Tritanomaly

45.9385, 51.9246, 55.7454

Monochromacy



Original Color

42.6764, 51.9584, 39.6780

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.5114, 49.3870, 47.7441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6764, 51.9584, 39.6780 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(167, 200, 157)` looks like.

```
.text, #text, p{  
    color:rgb(167, 200, 157)  
}
```

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(167, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 200, 157) }
```

Border

The CSS property to change the border of an element to XYZ 42.6764, 51.9584, 39.6780 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(167, 200, 157) }
```


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

```
.border{ border-color:rgb(167, 200, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 200, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 200, 157);  
box-shadow:4px 4px 4px 4px rgb(167, 200,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6764, 51.9584, 39.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 200, 157) }
```

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

```
.background{ background-color: rgb(167,  
200, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor