

Converting Colors

XYZ(42.3710, 47.5663, 35.2773)

Have a look what the booklet for
XYZ(42.3710, 47.5663, 35.2773)
contains.

XYZ(42.4865, 47.6557, 35.3930)	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(42.4865, 47.6557,
35.3930)**

Conversions

Conversions Part 1

Format	Color
Hex	B6BB95
RGB	182, 187, 149
RGB Percent	71%, 73%, 58%
CMY	0.2863, 0.2666, 0.4157
CMYK	0.03, 0.00, 0.20, 0.27
HSL	68°, 22%, 66%
HSV	68°, 20%, 73%
XYZ	42.4865, 47.6557, 35.3930
YIQ	181.1730, 9.2180, -12.8780

Conversions

Conversions Part 2

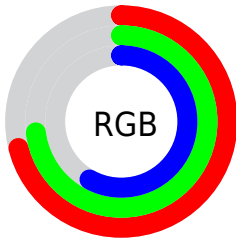
Format	Color
R _Y B	149, 187, 154
Decimal	11975573
CIE Lab	74.61, -8.25, 18.70
CIE LCh	75, 20.442, 113.789
Yxy	47.6557, 0.3384, 0.3796
Android (android.graphics.Color)	4290165653 (0xFFB6BB95)
YUV	181.1730, -15.8613, 0.7253
Hunter-Lab	69.0331, -10.9499, 17.9254

Details

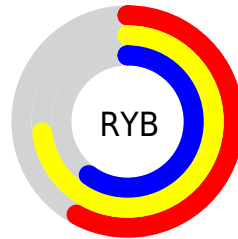
The XYZ color **42.4865, 47.6557, 35.3930** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.0455, 31.9542, 51.4425**, and the grayscale version is **44.0953, 46.3916, 50.5205**.

A 20% lighter version of the original color is **78.0900, 86.5901, 69.0977**, and **19.7830, 22.5992, 14.8747** is the 20% darker color. If you saturate the color by 10%, you get **40.5358, 46.8104, 28.1241**, and if you desaturate by 10%, it is **44.6898, 48.6064, 43.9271**.

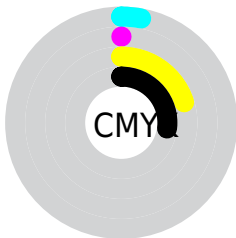
Distribution



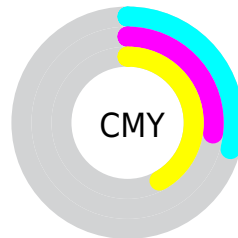
- Red (71%)
- Green (73%)
- Blue (58%)



- Red (58%)
- Yellow (73%)
- Blue (60%)



- Cyan (3%)
- Magenta (0%)
- Yellow (20%)
- Black (27%)





- Cyan (29%)
- Magenta (27%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4865, 47.6557, 35.3930 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 42.4865, 47.6557, 35.3930 by changing the saturation by 10% instead.


 42.4865, 47.6557,
35.3930

 42.4865, 47.6557,
35.3930


347.4531,
377.4258, 341.2564

 29.6752, 33.5543,
23.6798


 78.1959, 86.6916,
69.2526

 19.7390, 22.5514,
14.8863


 101.8248,
112.3948, 92.2361

 12.3126, 14.2626,
8.5939


129.7902,
142.7341, 119.8134

 7.0307, 8.3036,
4.3841

162.4575,
178.0939, 152.4031

 3.5278, 4.2898,
1.8383

200.1921,
218.8586, 190.4237

 1.4386, 1.8370,
0.4531

243.3594,

 0.2835, 0.5101,

265.4126, 234.2938

0.0000

292.3246,
318.1401, 284.4318

■ 0.0000, 0.0000,
0.0000

■ 42.4865, 47.6557,
35.3930

■ 42.4865, 47.6557,
35.3930

■ 40.5358, 46.8104,
28.1241

■ 44.6898, 48.6064,
43.9271

■ 38.8223, 46.0596,
22.0572

■ 47.1525, 49.6605,
53.7794

■ 37.3350, 45.4004,
17.1282

■ 49.8860, 50.8240,
65.0037

■ 36.0602, 44.8274,
13.2659

■ 52.8998, 52.1009,
77.6498

■ 34.9829, 44.3345,
10.3911

■ 56.2030, 53.4948,
91.7653

■ 34.0858, 43.9149,
8.4137

■ 58.7888, 54.6029,
102.0486

■ 33.3487, 43.5605,
7.2268

■ 59.4381, 54.9376,
102.0790

■ 32.7485, 43.2637,
6.6247

■ 60.0979, 55.2777,
102.1099

■ 60.7684, 55.6234,
102.1413

Harmonies

Analogous

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



46.0691, 47.6557, 34.1592



42.4865, 47.6557, 35.3930



39.7956, 47.6557, 40.7620

Triad

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



42.4865, 47.6557, 35.3930



41.2222, 47.6557, 70.1201



52.7402, 47.6557, 54.1239

Complementary

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



42.4865, 47.6557, 35.3930



33.0455, 31.9542, 51.4425

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.



51.2797, 47.6557, 64.8763



42.4865, 47.6557, 35.3930



44.5302, 47.6557, 74.8870

Square

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



42.4865, 47.6557, 35.3930



39.0940, 47.6557, 60.5468



48.2253, 47.6557, 72.8482



52.1200, 47.6557, 44.0985

Rectangle

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



42.4865, 47.6557, 35.3930



38.8032, 47.6557, 46.4077



48.2253, 47.6557, 72.8482



52.4739, 47.6557, 57.7856

Sweetspot

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



42.4878, 47.6578, 35.3940



81.8399, 87.8229, 85.8296



37.3823, 35.6607, 33.3474



17.9597, 19.3132, 18.6507



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



42.4878, 47.6578, 35.3940



74.6167, 84.7115, 57.8261



38.4175, 45.5595, 35.2035



10.1953, 11.0551, 10.1731



22.6063, 29.8299, 4.5663



0.9203, 1.1864, 0.1805

Inverse Universe

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



33.0455, 31.9542, 51.4425



54.9071, 51.9286, 91.3307



36.8272, 33.9037, 51.6195



9.1302, 9.2840, 11.9830



6.4856, 2.6295, 32.5586



0.2925, 0.1228, 1.2771

Previews

White Background



This preview shows how the XYZ color 42.4865, 47.6557, 35.3930 looks on a white background.

Color Contrast Check

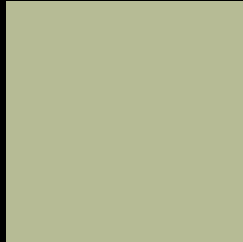
Large Text (above 18pt) WCAG AA × Fail

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 42.4865, 47.6557, 35.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

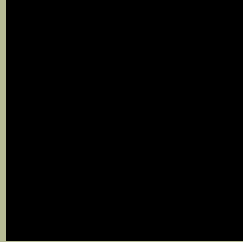
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4865, 47.6557, 35.3930

Background



This preview shows how black text looks on a background with the XYZ color 42.4865, 47.6557, 35.3930.



This preview shows how white text looks on a background with the XYZ color 42.4865, 47.6557,

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

42.4865, 47.6557, 35.3930

Protanopia

44.7056, 47.5757, 34.4305

Deuteranopia

48.2626, 47.2821, 35.8608



Tritanopia

47.1132, 47.6792, 58.3496

Trichromacy



Original Color

42.4865, 47.6557, 35.3930

Protanomaly

43.7210, 47.3662, 34.8552

Deuteranomaly

45.9137, 47.2620, 35.5567

Tritanomaly

45.2191, 47.5204, 48.9085

Monochromacy



Original Color

42.4865, 47.6557, 35.3930

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.1510, 46.5553, 44.2479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4865, 47.6557, 35.3930 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(182, 187, 149)` looks like.

```
.text, #text, p{  
    color:rgb(182, 187, 149)  
}
```

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(182, 187, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 187, 149) }
```

Border

The CSS property to change the border of an element to XYZ 42.4865, 47.6557, 35.3930 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(182, 187, 149) }
```


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

```
.border{ border-color:rgb(182, 187, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 187, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 187, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 187, 149);  
box-shadow:4px 4px 4px 4px rgb(182, 187,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4865, 47.6557, 35.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 187, 149) }
```

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

```
.background{ background-color: rgb(182,  
187, 149) }
```

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