

Converting Colors

XYZ(46.5403, 51.0246, 40.3020)

Have a look what the booklet for
XYZ(46.5403, 51.0246, 40.3020)
contains.

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Color

**XYZ(46.3747, 50.8412,
40.1700)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBF9F
RGB	191, 191, 159
RGB Percent	75%, 75%, 62%
CMY	0.2510, 0.2510, 0.3765
CMYK	0.00, 0.00, 0.17, 0.25
HSL	60°, 20%, 69%
HSV	60°, 17%, 75%
XYZ	46.3747, 50.8412, 40.1700
YIQ	187.3520, 10.2720, -9.9520

Conversions

Conversions Part 2

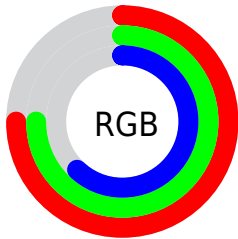
Format	Color
RYB	159, 191, 159
Decimal	12566431
CIELab	76.58, -5.44, 16.18
CIELCh	77, 17.072, 108.571
Yxy	50.8412, 0.3376, 0.3701
Android (android.graphics.Color)	4290756511 (0xFFBFBF9F)
YUV	187.3520, -13.9775, 3.1993
Hunter-Lab	71.3030, -8.6858, 16.5099

Details

The XYZ color **46.3747, 50.8412, 40.1700** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.1021, 35.9301, 54.3254**, and the grayscale version is **47.5065, 49.9805, 54.4288**.

A 20% lighter version of the original color is **84.1098, 91.3330, 76.8143**, and **22.0588, 24.5569, 17.4872** is the 20% darker color. If you saturate the color by 10%, you get **44.8436, 50.2304, 32.1046**, and if you desaturate by 10%, it is **48.1647, 51.5590, 49.5865**.

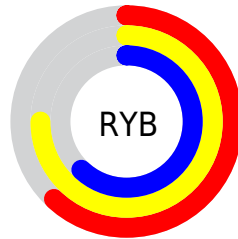
Distribution



Red (75%)

Green (75%)

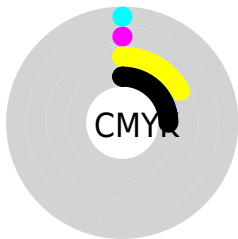
Blue (62%)



Red (62%)

Yellow (75%)

Blue (62%)

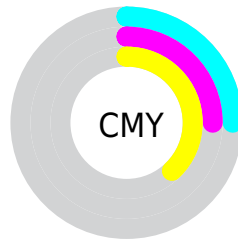


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3747, 50.8412, 40.1700 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 46.3747, 50.8412, 40.1700 by changing the saturation by 10% instead.


 46.3747, 50.8412,
40.1700


 46.3747, 50.8412,
40.1700


363.0038,
389.9465, 362.4130

 32.7475, 36.0822,
27.3563


 84.0039, 91.4200,
76.6622

 22.0914, 24.4977,
17.6062


 108.7366,
118.0086, 101.1779

 14.0410, 15.7032,
10.5011


137.9019,
149.3093, 130.4312

 8.2311, 9.3144,
5.6225

171.8651,
185.7063, 164.8409

 4.2962, 4.9468,
2.5519

210.9915,
227.5842, 204.8253

 1.8710, 2.2161,
0.8675

255.6465,

 0.5599, 0.7287,

275.3272, 250.8031

0.0000

306.1955,
329.3199, 303.1928

0.0000, 0.0000,
0.0000

46.3747, 50.8412,
40.1700

46.3747, 50.8412,
40.1700

44.8436, 50.2304,
32.1046

48.1647, 51.5590,
49.5865

43.5556, 49.7151,
25.3255

50.2204, 52.3813,
60.4088

42.4995, 49.2926,
19.7670

52.5537, 53.3147,
72.6922

41.6613, 48.9573,
15.3567

55.1742, 54.3630,
86.4884

41.0260, 48.7031,
12.0144

58.0913, 55.5299,
101.8463

■ 40.5763, 48.5231,
9.6497

■ 58.1716, 55.5621,
102.2663

■ 40.2922, 48.4094,
8.1570

■ 58.1723, 55.5624,
102.2664

■ 40.1469, 48.3512,
7.3947

■ 58.1729, 55.5628,
102.2664

■ 40.1127, 48.3375,
7.2159

■ 58.1735, 55.5631,
102.2664

Harmonies

Analogous

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



49.5624, 50.8412, 39.7094



46.3747, 50.8412, 40.1700



43.8206, 50.8412, 44.4168

Triad

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



46.3747, 50.8412, 40.1700



44.3344, 50.8412, 69.7709



54.6603, 50.8412, 58.9521

Complementary

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



46.3747, 50.8412, 40.1700



36.1021, 35.9301, 54.3254

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.



53.1237, 50.8412, 67.9614



46.3747, 50.8412, 40.1700



47.1045, 50.8412, 74.6555

Square

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



46.3747, 50.8412, 40.1700



42.6793, 50.8412, 61.2089



50.3252, 50.8412, 73.9587



54.4435, 50.8412, 49.8913

Rectangle

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



46.3747, 50.8412, 40.1700



42.7768, 50.8412, 49.1185



50.3252, 50.8412, 73.9587



54.3291, 50.8412, 62.1035

Sweetspot

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



46.3760, 50.8434, 40.1711



86.8415, 92.5705, 91.8749



40.1436, 38.3771, 38.0933



19.0149, 20.3057, 19.8868



92.9021, 97.7402, 106.4391



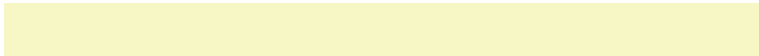
19.4759, 20.4902, 22.3138

Same Dimension

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



46.3760, 50.8434, 40.1711



82.0262, 90.6442, 66.5264



42.5699, 48.8813, 39.9930



10.3222, 11.1205, 10.1791



26.3601, 31.7650, 4.7419



1.0326, 1.2443, 0.1857

Inverse Universe

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



36.1021, 35.9301, 54.3254



60.2680, 59.0607, 96.5025



39.4828, 37.6729, 54.4837



9.0166, 9.2254, 11.9777



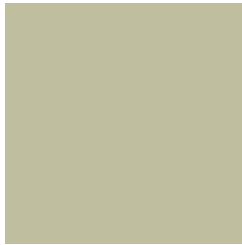
6.1804, 2.4722, 32.5443



0.2421, 0.0969, 1.2748

Previews

White Background



This preview shows how the XYZ color 46.3747, 50.8412, 40.1700 looks on a white background.

Color Contrast Check

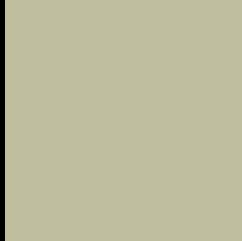
Large Text (above 18pt) WCAG AA × Fail

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 46.3747, 50.8412, 40.1700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

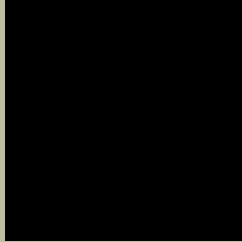
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

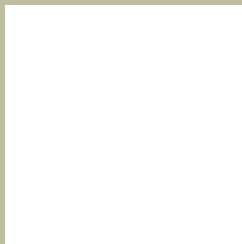
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3747, 50.8412, 40.1700

Background



This preview shows how black text looks on a background with the XYZ color 46.3747, 50.8412, 40.1700.



This preview shows how white text looks on a background with the XYZ color 46.3747, 50.8412,

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

46.3747, 50.8412, 40.1700

Protanopia

47.7080, 50.5772, 39.5956

Deuteranopia

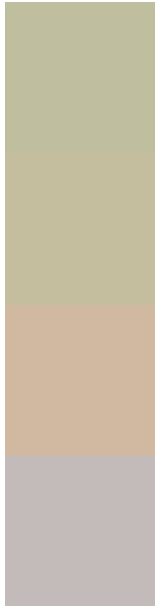
51.7762, 50.7808, 40.7910



Tritanopia

50.8002, 50.7384, 61.7596

Trichromacy



Original Color

46.3747, 50.8412, 40.1700

Protanomaly

47.1341, 50.5996, 39.6302

Deuteranomaly

49.7065, 50.6459, 40.4135

Tritanomaly

49.0330, 50.6455, 53.0902

Monochromacy



Original Color

46.3747, 50.8412, 40.1700

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6581, 49.8321, 48.7544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3747, 50.8412, 40.1700 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(191, 191, 159)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 159)  
}
```

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(191, 191, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 159) }
```

Border

The CSS property to change the border of an element to XYZ 46.3747, 50.8412, 40.1700 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(191, 191, 159) }
```


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

```
.border{ border-color:rgb(191, 191, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 159);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3747, 50.8412, 40.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 159) }
```

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

```
.background{ background-color: rgb(191,  
191, 159) }
```

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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