

Converting Colors

XYZ(42.7006, 49.6494, 14.4042)

Have a look what the booklet for
XYZ(42.7006, 49.6494, 14.4042)
contains.

XYZ(42.4760, 49.3995, 14.3175)	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(42.4760, 49.3995,
14.3175)**

Conversions

Conversions Part 1

Format	Color
Hex	C3BF4D
RGB	195, 191, 77
RGB Percent	76%, 75%, 30%
CMY	0.2353, 0.2510, 0.6980
CMYK	0.00, 0.02, 0.61, 0.24
HSL	58°, 50%, 53%
HSV	58°, 61%, 76%
XYZ	42.4760, 49.3995, 14.3175
YIQ	179.2000, 38.9780, -34.6060

Conversions

Conversions Part 2

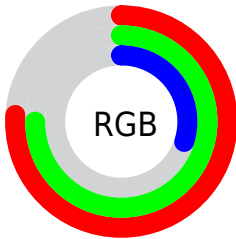
Format	Color
R _Y B	81, 195, 77
Decimal	12828493
CIE Lab	75.70, -12.98, 56.40
CIE LCh	76, 57.875, 102.964
Yxy	49.3995, 0.4000, 0.4652
Android (android.graphics.Color)	4291018573 (0xFFC3BF4D)
YUV	179.2000, -50.3846, 13.8566
Hunter-Lab	70.2848, -15.1234, 37.1216

Details

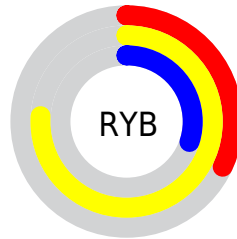
The XYZ color **42.4760, 49.3995, 14.3175** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **15.8534, 11.4025, 52.9948**, and the grayscale version is **43.2014, 45.4513, 49.4964**.

A 20% lighter version of the original color is **78.1631, 89.2041, 34.2176**, and **19.6873, 23.6272, 4.1390** is the 20% darker color. If you saturate the color by 10%, you get **41.7450, 48.8791, 11.1715**, and if you desaturate by 10%, it is **43.4163, 50.0083, 18.5525**.

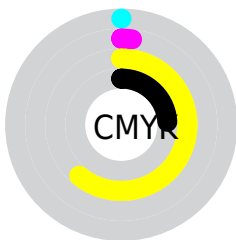
Distribution



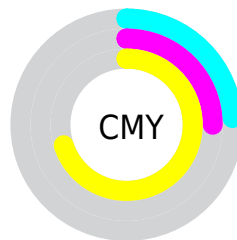
- Red (76%)
- Green (75%)
- Blue (30%)



- Red (32%)
- Yellow (76%)
- Blue (30%)



- Cyan (0%)
- Magenta (2%)
- Yellow (61%)
- Black (24%)



- Cyan (24%)
- Magenta (25%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4760, 49.3995, 14.3175 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 42.4760, 49.3995, 14.3175 by changing the saturation by 10% instead.

■ 42.4760, 49.3995,
14.3175

■ 42.4760, 49.3995,
14.3175

347.4105,
384.3129, 230.6939

■ 29.6669, 34.9365,
8.2006

■ 78.1802, 89.2845,
34.3765

■ 19.7327, 23.6140,
4.1339

■ 101.8060,
115.4753, 49.1557

■ 12.3080, 15.0475,
1.6991

■ 129.7681,
146.3441, 67.6594

■ 7.0275, 8.8527,
0.3601

■ 162.4319,
182.2754, 90.3060

■ 3.5258, 4.6452,
0.0000

■ 200.1626,
223.6536, 117.5143

■ 1.4375, 2.0407,
0.0000

243.3258,

■ 0.2827, 0.6309,

270.8629, 149.7027

0.0000

292.2866,
324.2879, 187.2897

■ 0.0000, 0.0000,
0.0000

■ 42.4760, 49.3995,
14.3175

■ 42.4760, 49.3995,
14.3175

■ 41.7450, 48.8791,
11.1715

■ 43.4163, 50.0083,
18.5525

■ 41.2008, 48.4326,
9.0109

■ 44.5793, 50.7054,
23.9615

■ 40.8219, 48.0533,
7.7178

■ 45.9810, 51.4990,
30.6247

■ 40.5740, 47.7390,
7.0761

■ 47.6352, 52.3947,
38.6143

■ 49.5546, 53.3975,
47.9970

■ 51.7509, 54.5121,
58.8350

■ 54.2354, 55.7430,
71.1870

■ 57.0184, 57.0943,
85.1081

■ 60.1100, 58.5702,
100.6509

Harmonies

Analogous

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



53.2581, 49.3995, 14.7717



42.4760, 49.3995, 14.3175



34.2521, 49.3995, 21.1077

Triad

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



42.4760, 49.3995, 14.3175



33.4193, 49.3995, 104.9241



69.5623, 49.3995, 73.0150

Complementary

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



42.4760, 49.3995, 14.3175



15.8534, 11.4025, 52.9948

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.



62.4590, 49.3995, 109.6253



42.4760, 49.3995, 14.3175



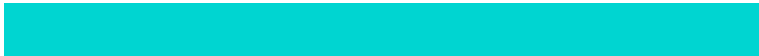
41.1658, 49.3995, 132.3368

Square

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



42.4760, 49.3995, 14.3175



29.5851, 49.3995, 68.1573



51.7335, 49.3995, 134.3262



70.0563, 49.3995, 41.5945

Rectangle

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



42.4760, 49.3995, 14.3175



30.8735, 49.3995, 31.1581



51.7335, 49.3995, 134.3262



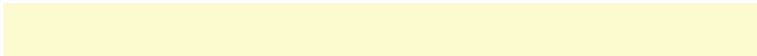
67.8240, 49.3995, 85.3521

Sweetspot

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



42.4772, 49.4018, 14.3185



86.0413, 94.2243, 72.6895



26.7172, 17.5333, 10.1401



18.6322, 20.5229, 14.8968



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.



42.4772, 49.4018, 14.3185



74.3766, 87.2393, 18.4135



31.9930, 45.3079, 14.0809



10.8833, 11.6980, 10.7462



26.3842, 31.0541, 4.6034



1.1493, 1.3603, 0.2020

Inverse Universe

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



15.8534, 11.4025, 52.9948



22.5128, 13.2427, 93.8393



21.7259, 14.0022, 53.1871



9.5550, 9.8014, 12.6731



6.4612, 2.6789, 33.7332



0.2888, 0.1350, 1.4607

Previews

White Background



This preview shows how the XYZ color 42.4760, 49.3995, 14.3175 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 42.4760, 49.3995, 14.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

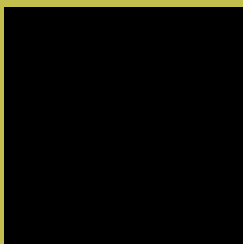
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

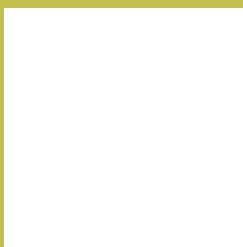
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4760, 49.3995, 14.3175

Background



This preview shows how black text looks on a background with the XYZ color 42.4760, 49.3995, 14.3175.



This preview shows how white text looks on a background with the XYZ color 42.4760, 49.3995,

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

42.4760, 49.3995, 14.3175

Protanopia

45.0873, 49.4723, 14.0102

Deuteranopia

50.1623, 49.0273, 14.6040



Tritanopia

51.1993, 49.2123, 57.2525

Trichromacy



Original Color

42.4760, 49.3995, 14.3175

Protanomaly

43.9163, 49.1848, 14.0164

Deuteranomaly

47.0894, 48.9405, 14.5540

Tritanomaly

46.8765, 48.6579, 36.1994

Monochromacy



Original Color

42.4760, 49.3995, 14.3175

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.8236, 46.1343, 32.2916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4760, 49.3995, 14.3175 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(195, 191, 77)` looks like.

```
.text, #text, p{  
    color:rgb(195, 191, 77)  
}
```

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(195, 191, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 191, 77) }
```

Border

The CSS property to change the border of an element to XYZ 42.4760, 49.3995, 14.3175 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(195, 191, 77) }
```


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

```
.border{ border-color:rgb(195, 191, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 191, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 191, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 191, 77);  
box-shadow:4px 4px 4px 4px rgb(195, 191,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4760, 49.3995, 14.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 191, 77) }
```

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

```
.background{ background-color: rgb(195,  
191, 77) }
```

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