

Converting Colors

XYZ(43.5356, 46.6870, 17.6286)

Have a look what the booklet for
XYZ(43.5356, 46.6870, 17.6286)
contains.

XYZ(43.4913, 46.7113, 17.5504)	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(43.4913, 46.7113,
17.5504)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB55F
RGB	204, 181, 95
RGB Percent	80%, 71%, 37%
CMY	0.2000, 0.2902, 0.6274
CMYK	0.00, 0.11, 0.53, 0.20
HSL	47°, 52%, 59%
HSV	47°, 53%, 80%
XYZ	43.4913, 46.7113, 17.5504
YIQ	178.0730, 41.3140, -21.8700

Conversions

Conversions Part 2

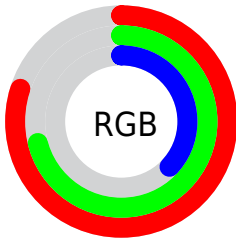
Format	Color
RYB	124, 204, 95
Decimal	13415775
CIELab	74.00, -2.66, 46.34
CIELCh	74, 46.412, 93.283
Yxy	46.7113, 0.4036, 0.4335
Android (android.graphics.Color)	4291605855 (0xFFCCB55F)
YUV	178.0730, -40.9550, 22.7380
Hunter-Lab	68.3457, -6.0177, 32.6170

Details

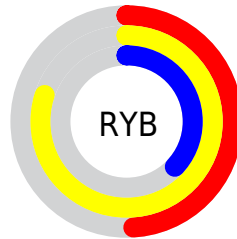
The XYZ color **43.4913, 46.7113, 17.5504** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **22.0967, 19.7488, 59.7740**, and the grayscale version is **42.5512, 44.7672, 48.7515**.

A 20% lighter version of the original color is **76.8695, 83.9665, 40.1727**, and **20.2064, 21.8232, 5.5302** is the 20% darker color. If you saturate the color by 10%, you get **41.8215, 44.6664, 13.0027**, and if you desaturate by 10%, it is **45.4332, 48.9118, 23.3876**.

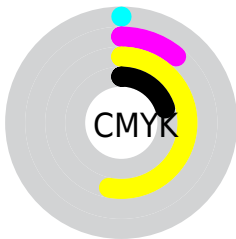
Distribution



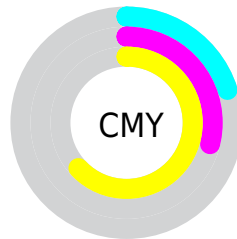
- Red (80%)
- Green (71%)
- Blue (37%)



- Red (49%)
- Yellow (80%)
- Blue (37%)



- Cyan (0%)
- Magenta (11%)
- Yellow (53%)
- Black (20%)





- Cyan (20%)
- Magenta (29%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4913, 46.7113, 17.5504 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 43.4913, 46.7113, 17.5504 by changing the saturation by 10% instead.


 43.4913, 46.7113,
17.5504


 43.4913, 46.7113,
17.5504


351.5157,
373.6610, 250.4749


 30.4670, 32.8075,
10.4616


 79.7028, 85.2825,
40.0732

 20.3431, 21.9790,
5.5965


 103.6207,
110.7187, 56.3444

 12.7544, 13.8415,
2.5365

 131.9006,
140.7678, 76.5133

 7.3355, 8.0105,
0.8594

 164.9076,
175.8143, 100.9987

 3.7210, 4.1017,
0.0000

203.0073,
216.2424, 130.2190

 1.5455, 1.7306,
0.0000

246.5650,

 0.3565, 0.4433,

262.4366, 164.5928

0.0000

295.9460,
314.7814, 204.5386

■ 0.0000, 0.0000,
0.0000

■ 43.4913, 46.7113,
17.5504

■ 43.4913, 46.7113,
17.5504

■ 41.8215, 44.6664,
13.0027

■ 45.4332, 48.9118,
23.3876

■ 40.4008, 42.7623,
9.6396

■ 47.6614, 51.2686,
30.6028

■ 39.2077, 40.9918,
7.3442

■ 50.1929, 53.7908,
39.2796

■ 38.2151, 39.3435,
5.9744

■ 53.0424, 56.4846,
49.4944

■ 37.6402, 38.3142,
5.4115

■ 56.2237, 59.3559,
61.3182

■ 59.7496, 62.4101,
74.8175

■ 63.6322, 65.6524,
90.0551

■ 67.3631, 68.8799,
104.3525

■ 68.4764, 71.1065,
104.7236

Harmonies

Analogous

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



51.9537, 46.7113, 20.0178



43.4913, 46.7113, 17.5504



36.2147, 46.7113, 21.4546

Triad

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



43.4913, 46.7113, 17.5504



32.3648, 46.7113, 80.2398



60.2062, 46.7113, 74.2597

Complementary

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



43.4913, 46.7113, 17.5504



22.0967, 19.7488, 59.7740

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.



53.7289, 46.7113, 99.3436



43.4913, 46.7113, 17.5504



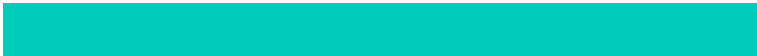
37.6123, 46.7113, 103.4839

Square

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



43.4913, 46.7113, 17.5504



30.3138, 46.7113, 53.5194



45.3166, 46.7113, 111.3792



62.2818, 46.7113, 48.2915

Rectangle

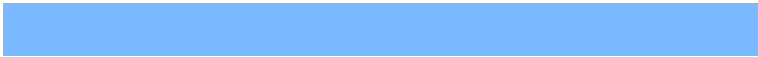
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.4913, 46.7113, 17.5504



32.8103, 46.7113, 28.1651



45.3166, 46.7113, 111.3792



58.4349, 46.7113, 83.3135

Sweetspot

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



43.4924, 46.7135, 17.5513



86.4785, 92.2759, 77.0055



32.3011, 22.3450, 19.9434



18.2965, 19.5502, 15.7137



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.



43.4924, 46.7135, 17.5513



68.9062, 73.5156, 20.6376



40.9180, 52.9096, 18.8830



11.9451, 12.6792, 11.8972



23.7606, 24.2542, 3.4292



1.2774, 1.3546, 0.1941

Inverse Universe

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



22.0967, 19.7488, 59.7740



29.9339, 24.4655, 97.7524



23.5787, 16.9714, 59.1597



10.7904, 11.2212, 14.1676



7.4601, 3.9442, 36.3244



0.4415, 0.3167, 1.8928

Previews

White Background



This preview shows how the XYZ color 43.4913, 46.7113, 17.5504 looks on a white background.

Color Contrast Check

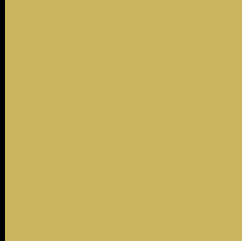
Large Text (above 18pt) WCAG AA × Fail

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 43.4913, 46.7113, 17.5504 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 43.4913, 46.7113, 17.5504

Background



This preview shows how black text looks on a background with the XYZ color 43.4913, 46.7113, 17.5504.

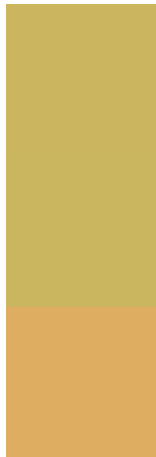


This preview shows how white text looks on a background with the XYZ color 43.4913, 46.7113,

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

43.4913, 46.7113, 17.5504

Protanopia

42.8809, 46.6996, 17.5803

Deuteranopia

47.5327, 46.4382, 17.7675



Tritanopia

50.3660, 46.5836, 51.6844

Trichromacy



Original Color

43.4913, 46.7113, 17.5504

Protanomaly

43.1506, 46.8387, 17.5930

Deuteranomaly

45.9556, 46.4941, 17.6185

Tritanomaly

47.2920, 46.4823, 36.1852

Monochromacy



Original Color

43.4913, 46.7113, 17.5504

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.9589, 44.9431, 34.4804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4913, 46.7113, 17.5504 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(204, 181, 95)` looks like.

```
.text, #text, p{  
    color:rgb(204, 181, 95)  
}
```

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(204, 181, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 181, 95) }
```

Border

The CSS property to change the border of an element to XYZ 43.4913, 46.7113, 17.5504 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(204, 181, 95) }
```


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

```
.border{ border-color:rgb(204, 181, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 181, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 181, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 181, 95);  
box-shadow:4px 4px 4px 4px rgb(204, 181,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4913, 46.7113, 17.5504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 181, 95) }
```

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

```
.background{ background-color: rgb(204,  
181, 95) }
```

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