

Converting Colors

XYZ(46.7541, 55.3074, 15.0120)

Have a look what the booklet for
XYZ(46.7541, 55.3074, 15.0120)
contains.

XYZ(46.7822, 55.3194, 15.0495)	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(46.7822, 55.3194,
15.0495)**

Conversions

Conversions Part 1

Format	Color
Hex	CACA4C
RGB	202, 202, 76
RGB Percent	79%, 79%, 30%
CMY	0.2078, 0.2078, 0.7019
CMYK	0.00, 0.00, 0.62, 0.21
HSL	60°, 54%, 55%
HSV	60°, 62%, 79%
XYZ	46.7822, 55.3194, 15.0495
YIQ	187.6360, 40.4460, -39.1860

Conversions

Conversions Part 2

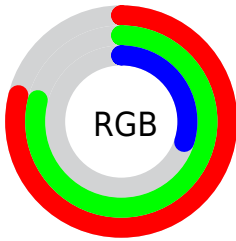
Format	Color
RYB	76, 202, 76
Decimal	13290060
CIELab	79.22, -15.68, 60.77
CIElCh	79, 62.763, 104.464
Yxy	55.3194, 0.3993, 0.4722
Android (android.graphics.Color)	4291480140 (0xFFCACA4C)
YUV	187.6360, -55.0365, 12.5972
Hunter-Lab	74.3770, -17.8855, 40.0671

Details

The XYZ color **46.7822, 55.3194, 15.0495** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **16.2273, 10.9708, 57.1428**, and the grayscale version is **47.8809, 50.3744, 54.8578**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **22.3396, 27.2286, 4.4590** is the 20% darker color. If you saturate the color by 10%, you get **46.1876, 55.0836, 11.9141**, and if you desaturate by 10%, it is **47.5998, 55.6485, 19.3482**.

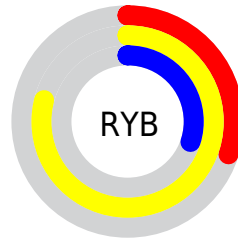
Distribution



Red (79%)

Green (79%)

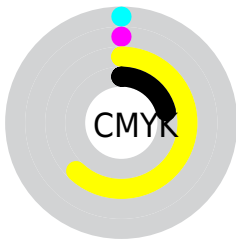
Blue (30%)



Red (30%)

Yellow (79%)

Blue (30%)

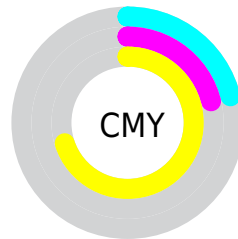


Cyan (0%)

Magenta (0%)

Yellow (62%)

Black (21%)



Cyan (21%)


Magenta (21%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7822, 55.3194, 15.0495 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 46.7822, 55.3194, 15.0495 by changing the saturation by 10% instead.


 46.7822, 55.3194,
15.0495


 46.7822, 55.3194,
15.0495


364.6079,
407.1215, 235.3167

 33.0707, 39.6575,
8.7071


 84.6091, 98.0088,
35.6835


 22.3401, 27.2716,
4.4565


 109.4553,
125.8050, 50.8123


 14.2250, 17.7773,
1.8789


 138.7438,
158.4149, 69.7069

 8.3601, 10.7902,
0.4793


 172.8399,
196.2227, 92.7859

 4.3800, 5.9260,
0.0000

 212.1090,
239.6129, 120.4678

 1.9193, 2.8001,
0.0000

256.9165,

 0.5880, 1.0283,

288.9698, 153.1712

0.0000

307.6277,
344.6779, 191.3147

■ 0.0000, 0.0000,
0.0000

■ 46.7822, 55.3194,
15.0495

■ 46.7822, 55.3194,
15.0495

■ 46.1876, 55.0836,
11.9141

■ 47.5998, 55.6485,
19.3482

■ 45.7908, 54.9248,
9.8256

■ 48.6553, 56.0708,
24.9051

■ 45.5672, 54.8354,
8.6498

■ 49.9667, 56.5953,
31.8093

■ 45.4779, 54.7996,
8.1804

■ 51.5491, 57.2283,
40.1408

■ 53.4165, 57.9753,
49.9734

■ 55.5821, 58.8416,
61.3759

■ 58.0580, 59.8320,
74.4127

■ 60.8559, 60.9511,
89.1447

■ 63.5310, 62.0212,
103.2306

Harmonies

Analogous

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



59.3082, 55.3194, 15.1827



46.7822, 55.3194, 15.0495



37.4294, 55.3194, 23.1603

Triad

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



46.7822, 55.3194, 15.0495



37.1754, 55.3194, 122.7324



79.4099, 55.3194, 80.6950

Complementary

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



46.7822, 55.3194, 15.0495



16.2273, 10.9708, 57.1428

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.



71.3487, 55.3194, 124.2078



46.7822, 55.3194, 15.0495



46.3799, 55.3194, 154.3092

Square

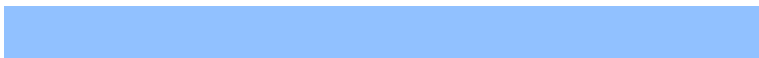
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.7822, 55.3194, 15.0495



32.5113, 55.3194, 79.1866



58.8368, 55.3194, 154.9367



79.5638, 55.3194, 44.5750

Rectangle

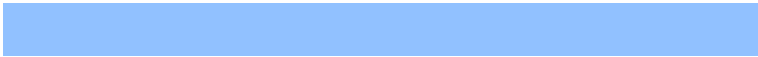
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.7822, 55.3194, 15.0495



33.6804, 55.3194, 35.0929



58.8368, 55.3194, 154.9367



77.4842, 55.3194, 95.1885

Sweetspot

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



46.7835, 55.3220, 15.0506



88.2067, 97.2626, 72.8680



28.2479, 18.2486, 8.8717



18.6939, 20.7438, 14.6173



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.



46.7835, 55.3220, 15.0506



77.9152, 93.1457, 18.6856



33.0747, 48.2548, 14.4091



12.1538, 13.0967, 11.9668



29.2628, 35.2608, 5.2637



1.5096, 1.8191, 0.2715

Inverse Universe

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



16.2273, 10.9708, 57.1428



21.9680, 11.9406, 95.7547



23.8942, 14.9233, 57.5016



10.6018, 10.8440, 14.1047



6.8601, 2.7441, 36.1244



0.3539, 0.1416, 1.8636

Previews

White Background



This preview shows how the XYZ color 46.7822, 55.3194, 15.0495 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 46.7822, 55.3194, 15.0495 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 46.7822, 55.3194, 15.0495

Background



This preview shows how black text looks on a background with the XYZ color 46.7822, 55.3194, 15.0495.



This preview shows how white text looks on a background with the XYZ color 46.7822, 55.3194,

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

46.7822, 55.3194, 15.0495

Protanopia

50.1894, 55.0343, 14.4560

Deuteranopia

56.3523, 54.9450, 15.4199



Tritanopia

56.8282, 55.0510, 64.7575

Trichromacy



Original Color

46.7822, 55.3194, 15.0495

Protanomaly

48.9047, 55.0423, 14.7033

Deuteranomaly

52.5740, 54.9218, 15.2272

Tritanomaly

51.9559, 54.7195, 39.7218

Monochromacy



Original Color

46.7822, 55.3194, 15.0495

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.3287, 51.5840, 35.1187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7822, 55.3194, 15.0495 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(202, 202, 76)` looks like.

```
.text, #text, p{  
    color:rgb(202, 202, 76)  
}
```

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(202, 202, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 202, 76) }
```

Border

The CSS property to change the border of an element to XYZ 46.7822, 55.3194, 15.0495 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(202, 202, 76) }
```


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

```
.border{ border-color:rgb(202, 202, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 202, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 202, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 202, 76);  
box-shadow:4px 4px 4px 4px rgb(202, 202,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7822, 55.3194, 15.0495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 202, 76) }
```

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

```
.background{ background-color: rgb(202,  
202, 76) }
```

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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