

Converting Colors

XYZ(43.5708, 52.4732, 21.7418)

Have a look what the booklet for
XYZ(43.5708, 52.4732, 21.7418)
contains.

XYZ(43.5708, 52.4732, 21.7418)	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(43.5708, 52.4732,
21.7418)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC76B
RGB	187, 199, 107
RGB Percent	73%, 78%, 42%
CMY	0.2667, 0.2196, 0.5804
CMYK	0.06, 0.00, 0.46, 0.22
HSL	68°, 45%, 60%
HSV	68°, 46%, 78%
XYZ	43.5708, 52.4732, 21.7418
YIQ	184.9240, 22.3800, -31.1560

Conversions

Conversions Part 2

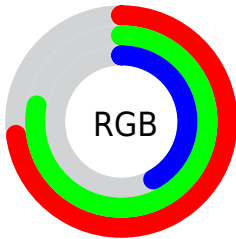
Format	Color
RYB	107, 199, 119
Decimal	12306283
CIELab	77.56, -17.76, 44.42
CIELCh	78, 47.836, 111.795
Yxy	52.4732, 0.3699, 0.4455
Android (android.graphics.Color)	4290496363 (0xFFBBC76B)
YUV	184.9240, -38.4165, 1.8207
Hunter-Lab	72.4384, -19.4016, 32.9115

Details

The XYZ color **43.5708, 52.4732, 21.7418** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.1761, 18.5621, 56.3973**, and the grayscale version is **46.2712, 48.6809, 53.0135**.

A 20% lighter version of the original color is **79.7614, 93.4705, 47.0955**, and **20.3549, 25.4419, 7.5793** is the 20% darker color. If you saturate the color by 10%, you get **42.0130, 51.7792, 16.8187**, and if you desaturate by 10%, it is **45.3836, 53.2743, 27.9365**.

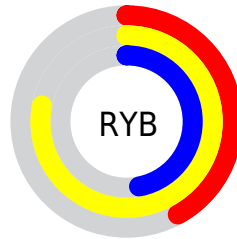
Distribution



Red (73%)

Green (78%)

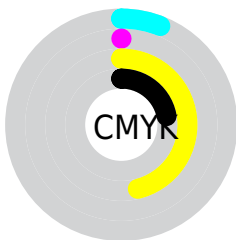
Blue (42%)



Red (42%)

Yellow (78%)

Blue (47%)

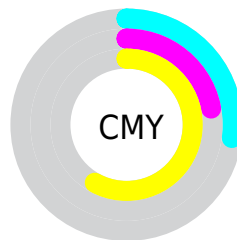


Cyan (6%)

Magenta (0%)

Yellow (46%)

Black (22%)



Cyan (27%)

Magenta (22%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5708, 52.4732, 21.7418 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 43.5708, 52.4732, 21.7418 by changing the saturation by 10% instead.

■ 43.5708, 52.4732,
21.7418

■ 43.5708, 52.4732,
21.7418

351.8358,
396.2607, 274.1043

■ 30.5297, 37.3824,
13.4708

■ 79.8219, 93.8287,
47.2156

■ 20.3910, 25.5037,
7.6190

■ 103.7625,
120.8623, 65.2554

■ 12.7895, 16.4527,
3.7679

■ 132.0671,
152.6455, 87.3887

■ 7.3598, 9.8451,
1.4989

■ 165.1009,
189.5628, 114.0338

■ 3.7364, 5.2964,
0.2171

203.2293,
231.9985, 145.6094

■ 1.5541, 2.4222,
0.0000

246.8177,

■ 0.3622, 0.8373,

280.3372, 182.5340

0.0000

296.2314,
334.9631, 225.2261

■ 0.0000, 0.0000,
0.0000

■ 43.5708, 52.4732,
21.7418

■ 43.5708, 52.4732,
21.7418

■ 42.0130, 51.7792,
16.8187

■ 45.3836, 53.2743,
27.9365

■ 40.6895, 51.1784,
13.0758

■ 47.4629, 54.1814,
35.4795

■ 39.5827, 50.6656,
10.4145

■ 49.8238, 55.2025,
44.4450


■ 38.6705, 50.2319,
8.7189


■ 52.4794, 56.3428,
54.9013

■ 37.9248, 49.8662,
7.8416


■ 55.4417, 57.6071,
66.9119

 37.6665, 49.7377,
7.6151

 58.7223, 59.0002,
80.5368

 62.3319, 60.5262,
95.8327

 64.4235, 61.4464,
103.0726

 65.1586, 61.8253,
103.1070

Harmonies

Analogous

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



52.4503, 52.4732, 20.1478



43.5708, 52.4732, 21.7418



37.1877, 52.4732, 31.1114

Triad

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



43.5708, 52.4732, 21.7418



39.6832, 52.4732, 107.1046



69.5831, 52.4732, 64.7000

Complementary

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



43.5708, 52.4732, 21.7418



23.1761, 18.5621, 56.3973

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.



65.1605, 52.4732, 94.6884



43.5708, 52.4732, 21.7418



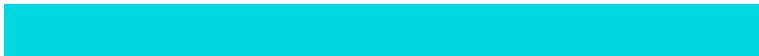
47.3839, 52.4732, 123.6518

Square

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



43.5708, 52.4732, 21.7418



35.1435, 52.4732, 78.1597



56.7580, 52.4732, 118.5164



68.2348, 52.4732, 40.2645

Rectangle

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



43.5708, 52.4732, 21.7418



34.8433, 52.4732, 42.6803



56.7580, 52.4732, 118.5164



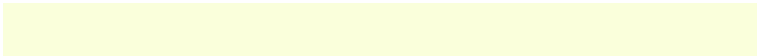
68.7044, 52.4732, 74.5309

Sweetspot

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



43.5721, 52.4756, 21.7429



88.1326, 97.0375, 81.3101



32.6559, 26.0992, 17.2271



18.6561, 20.6805, 16.5965



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.



43.5721, 52.4756, 21.7429



73.6648, 90.7048, 29.7696



34.2803, 47.6855, 21.3081



11.3825, 12.3441, 11.3455



24.2717, 32.0078, 4.8989



1.1882, 1.5356, 0.2338

Inverse Universe

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



23.1761, 18.5621, 56.3973



33.8332, 24.4152, 97.5371



30.8230, 22.5043, 56.7551



10.1832, 10.3527, 13.3791



6.9444, 2.8142, 34.9215



0.3722, 0.1556, 1.6556

Previews

White Background



This preview shows how the XYZ color 43.5708, 52.4732, 21.7418 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 43.5708, 52.4732, 21.7418 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 43.5708, 52.4732, 21.7418

Background



This preview shows how black text looks on a background with the XYZ color 43.5708, 52.4732, 21.7418.



This preview shows how white text looks on a background with the XYZ color 43.5708, 52.4732,

21.7418.

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

43.5708, 52.4732, 21.7418

Protanopia

48.2123, 52.5476, 20.6984

Deuteranopia

53.4070, 52.3383, 22.3264



Tritanopia

52.0514, 52.2840, 63.8483

Trichromacy



Original Color

43.5708, 52.4732, 21.7418

Protanomaly

46.4220, 52.6067, 21.0720

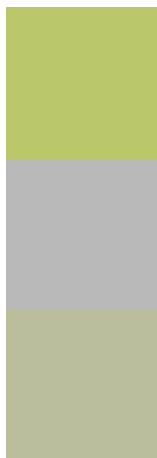
Deuteranomaly

49.3310, 52.1199, 22.2120

Tritanomaly

48.1657, 51.9958, 44.5434

Monochromacy



Original Color

43.5708, 52.4732, 21.7418

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.7490, 49.7003, 39.1329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5708, 52.4732, 21.7418 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(187, 199, 107)` looks like.

```
.text, #text, p{  
    color:rgb(187, 199, 107)  
}
```

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(187, 199, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 199, 107) }
```

Border

The CSS property to change the border of an element to XYZ 43.5708, 52.4732, 21.7418 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(187, 199, 107) }
```


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

```
.border{ border-color:rgb(187, 199, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 199, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 199, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 199, 107);  
box-shadow:4px 4px 4px 4px rgb(187, 199,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5708, 52.4732, 21.7418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 199, 107) }
```

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

```
.background{ background-color: rgb(187,  
199, 107) }
```

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