

Converting Colors

XYZ(44.7771, 52.2175, 14.4799)

Have a look what the booklet for
XYZ(44.7771, 52.2175, 14.4799)
contains.

XYZ(44.8639, 52.2810, 14.5641)	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(44.8639, 52.2810,
14.5641)**

Conversions

Conversions Part 1

Format	Color
Hex	C8C44C
RGB	200, 196, 76
RGB Percent	78%, 77%, 30%
CMY	0.2157, 0.2314, 0.7019
CMYK	0.00, 0.02, 0.62, 0.22
HSL	58°, 53%, 54%
HSV	58°, 62%, 78%
XYZ	44.8639, 52.2810, 14.5641
YIQ	183.5160, 40.9040, -36.4720

Conversions

Conversions Part 2

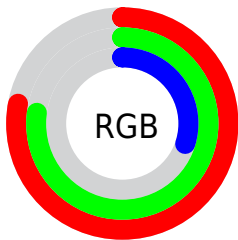
Format	Color
R _Y B	80, 200, 76
Decimal	13157452
CIE Lab	77.45, -13.49, 58.83
CIE LCh	77, 60.362, 102.915
Yxy	52.2810, 0.4016, 0.4680
Android (android.graphics.Color)	4291347532 (0xFFC8C44C)
YUV	183.5160, -53.0054, 14.4565
Hunter-Lab	72.3056, -15.7798, 38.6715

Details

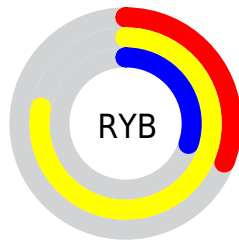
The XYZ color **44.8639, 52.2810, 14.5641** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **16.2746, 11.4438, 55.9946**, and the grayscale version is **45.5613, 47.9340, 52.2002**.

A 20% lighter version of the original color is **80.0797, 92.4925, 34.7513**, and **21.2364, 25.5191, 4.2583** is the 20% darker color. If you saturate the color by 10%, you get **44.1294, 51.7571, 11.4061**, and if you desaturate by 10%, it is **45.8176, 52.8975, 18.8625**.

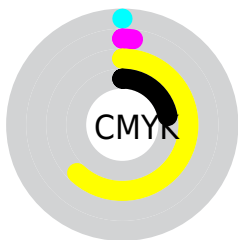
Distribution



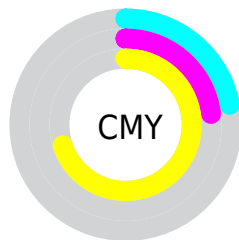
- Red (78%)
- Green (77%)
- Blue (30%)



- Red (31%)
- Yellow (78%)
- Blue (30%)



- Cyan (0%)
- Magenta (2%)
- Yellow (62%)
- Black (22%)



- Cyan (22%)
- Magenta (23%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8639, 52.2810, 14.5641 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 44.8639, 52.2810, 14.5641 by changing the saturation by 10% instead.

■ 44.8639, 52.2810,
14.5641

■ 44.8639, 52.2810,
14.5641

357.0150,
395.5205, 232.2616

■ 31.5511, 37.2291,
8.3708

■ 81.7545, 93.5455,
34.8181

■ 21.1727, 25.3849,
4.2420

■ 106.0629,
120.5269, 49.7158

■ 13.3635, 16.3641,
1.7590

■ 134.7672,
152.2537, 68.3522

■ 7.7580, 9.7821,
0.4007

■ 168.2329,
189.1101, 91.1457

■ 3.9910, 5.2548,
0.0000

■ 206.8251,
231.4805, 118.5148

■ 1.6971, 2.3975,
0.0000

250.9093,

■ 0.4544, 0.8246,

279.7495, 150.8782

0.0000

300.8508,
334.3014, 188.6542

■ 0.0000, 0.0000,
0.0000

■ 44.8639, 52.2810,
14.5641

■ 44.8639, 52.2810,
14.5641

■ 44.1294, 51.7571,
11.4061

■ 45.8176, 52.8975,
18.8625

■ 43.5896, 51.3101,
9.2758

■ 47.0050, 53.6065,
24.3937

■ 43.2208, 50.9326,
8.0433

■ 48.4435, 54.4169,
31.2441

■ 43.0127, 50.6659,
7.5125

■ 50.1479, 55.3347,
39.4916

■ 52.1318, 56.3654,
49.2080

■ 54.4080, 57.5139,
60.4602

■ 56.9883, 58.7851,
73.3111

■ 59.8841, 60.1834,
87.8197

■ 62.9439, 61.6485,
103.1896

Harmonies

Analogous

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



56.5481, 52.2810, 15.0552



44.8639, 52.2810, 14.5641



35.9794, 52.2810, 21.7489

Triad

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



44.8639, 52.2810, 14.5641



35.0604, 52.2810, 112.5478



74.2504, 52.2810, 77.8669

Complementary

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



44.8639, 52.2810, 14.5641



16.2746, 11.4438, 55.9946

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.



66.5079, 52.2810, 117.8142



44.8639, 52.2810, 14.5641



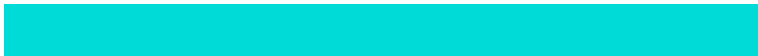
43.4129, 52.2810, 142.5965

Square

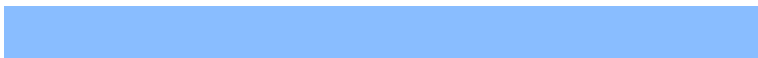
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.8639, 52.2810, 14.5641



30.9424, 52.2810, 72.4554



54.8536, 52.2810, 144.8307



74.8018, 52.2810, 43.7895

Rectangle

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



44.8639, 52.2810, 14.5641



32.3374, 52.2810, 32.4807



54.8536, 52.2810, 144.8307



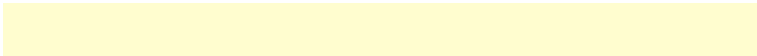
72.3532, 52.2810, 91.3080

Sweetspot

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



44.8651, 52.2834, 14.5652



87.7116, 96.2712, 72.7027



27.8571, 18.0299, 9.6278



18.5720, 20.4998, 14.5766



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.



44.8651, 52.2834, 14.5652



76.0835, 89.3594, 18.4388



33.1373, 47.5930, 14.2780



11.4935, 12.3561, 11.3420



27.3623, 32.2418, 4.7811



1.3050, 1.5454, 0.2295

Inverse Universe

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



16.2746, 11.4438, 55.9946



22.6590, 13.0726, 95.9367



22.8205, 14.3970, 56.2196



10.0836, 10.3413, 13.3821



6.6859, 2.7657, 34.9258



0.3264, 0.1505, 1.6570

Previews

White Background



This preview shows how the XYZ color 44.8639, 52.2810, 14.5641 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 44.8639, 52.2810, 14.5641 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 44.8639, 52.2810, 14.5641

Background



This preview shows how black text looks on a background with the XYZ color 44.8639, 52.2810, 14.5641.



This preview shows how white text looks on a background with the XYZ color 44.8639, 52.2810,

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

44.8639, 52.2810, 14.5641

Protanopia

47.5602, 52.3534, 14.2551

Deuteranopia

53.1010, 52.0396, 14.8353



Tritanopia

54.1975, 52.2071, 60.6465

Trichromacy



Original Color

44.8639, 52.2810, 14.5641

Protanomaly

46.3524, 52.0578, 14.2617

Deuteranomaly

49.9221, 51.9525, 14.7938

Tritanomaly

49.5481, 51.5649, 37.9134

Monochromacy



Original Color

44.8639, 52.2810, 14.5641

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.3293, 48.9579, 33.9015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8639, 52.2810, 14.5641 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(200, 196, 76)` looks like.

```
.text, #text, p{  
    color:rgb(200, 196, 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(200, 196, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 196, 76) }
```

Border

The CSS property to change the border of an element to XYZ 44.8639, 52.2810, 14.5641 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(200, 196, 76) }
```


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

```
.border{ border-color:rgb(200, 196, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 196, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 196, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 196, 76);  
box-shadow:4px 4px 4px 4px rgb(200, 196,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8639, 52.2810, 14.5641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 196, 76) }
```

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

```
.background{ background-color: rgb(200,  
196, 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](#).

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