

# Converting Colors

XYZ(44.4553, 52.6151, 8.4821)

Have a look what the booklet for  
XYZ(44.4553, 52.6151, 8.4821)  
contains.

<b>XYZ(44.4496, 52.5396, 8.4602)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.4496, 52.5396,  
8.4602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAC514
RGB	202, 197, 20
RGB Percent	79%, 77%, 8%
CMY	0.2078, 0.2274, 0.9215
CMYK	0.00, 0.02, 0.90, 0.21
HSL	58°, 82%, 44%
HSV	58°, 90%, 79%
XYZ	44.4496, 52.5396, 8.4602
YIQ	178.3170, 59.7970, -53.9870

# Conversions

## Conversions Part 2

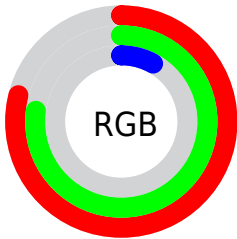
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 202, 20
Decimal	13288724
CIE <sub>Lab</sub>	77.60, -15.36, 76.04
CIE <sub>LCh</sub>	78, 77.575, 101.417
Yxy	52.5396, 0.4215, 0.4982
Android (android.graphics.Color)	4291478804 (0xFFCAC514)
YUV	178.3170, -78.0503, 20.7700
Hunter-Lab	72.4842, -17.3855, 43.8187

# Details

The XYZ color **44.4496, 52.5396, 8.4602** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **11.2971, 5.1086, 56.2672**, and the grayscale version is **42.8656, 45.0979, 49.1117**.

A 20% lighter version of the original color is **78.2107, 92.2487, 23.3565**, and **21.3010, 25.7862, 3.8545** is the 20% darker color. If you saturate the color by 10%, you get **44.1999, 52.2426, 7.7542**, and if you desaturate by 10%, it is **44.8371, 52.8984, 9.8738**.

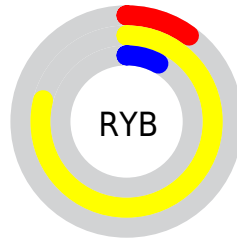
# Distribution



Red (79%)

Green (77%)

Blue (8%)



Red (10%)

Yellow (79%)

Blue (8%)

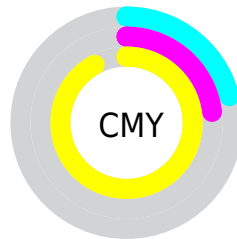


Cyan (0%)

Magenta (2%)

Yellow (90%)

Black (21%)



Cyan (21%)

Magenta (23%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4496, 52.5396, 8.4602 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 44.4496, 52.5396, 8.4602 by changing the saturation by 10% instead.





 44.4496, 52.5396,  
8.4602


 44.4496, 52.5396,  
8.4602


355.3611,  
396.5162, 189.3657

 31.2235, 37.4354,  
4.2988


 81.1360, 93.9265,  
23.4167


 20.9218, 25.5448,  
1.7907


 105.3271,  
120.9780, 35.0489

 13.1790, 16.4834,  
0.4218

 133.9039,  
152.7808, 50.0085

 7.6298, 9.8668,  
0.0000

 167.2318,  
189.7191, 68.7139

 3.9088, 5.3108,  
0.0000

 205.6761,  
232.1774, 91.5839

 1.6507, 2.4307,  
0.0000

 249.6022,

 0.4251, 0.8416,

280.5401, 119.0368

0.0000

299.3754,  
335.1916, 151.4912

■ 0.0000, 0.0000,  
0.0000

■ 44.4496, 52.5396,  
8.4602

■ 44.4496, 52.5396,  
8.4602

■ 44.1999, 52.2426,  
7.7542

■ 44.8371, 52.8984,  
9.8738

■ 45.4036, 53.3274,  
12.2326

■ 46.1748, 53.8391,  
15.6670

■ 47.1714, 54.4417,  
20.2860

■ 48.4115, 55.1425,  
26.1853

■ 49.9115, 55.9480,  
33.4508

■ 51.6863, 56.8641,  
42.1610

■ 53.7496, 57.8964,  
52.3885

■ 56.1144, 59.0500,  
64.2010

# Harmonies

## Analogous

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



59.6908, 52.5396, 9.2286



44.4496, 52.5396, 8.4602



33.2027, 52.5396, 14.9631

# Triad

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



44.4496, 52.5396, 8.4602



31.3010, 52.5396, 130.9741



82.5190, 52.5396, 87.7288

# Complementary

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



44.4496, 52.5396, 8.4602



11.2971, 5.1086, 56.2672

# 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.



71.5195, 52.5396, 144.0515



44.4496, 52.5396, 8.4602



41.3088, 52.5396, 176.4398

# Square

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



44.4496, 52.5396, 8.4602



26.6894, 52.5396, 75.1399



55.8591, 52.5396, 182.1548



83.8282, 52.5396, 42.3812



# Rectangle

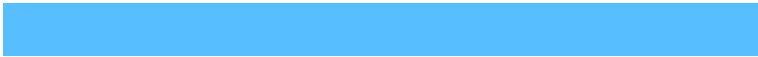
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.4496, 52.5396, 8.4602



28.6732, 52.5396, 26.1193



55.8591, 52.5396, 182.1548



79.7430, 52.5396, 106.4476

# Sweetspot

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



44.4508, 52.5421, 8.4613



85.2792, 95.1322, 60.4057



24.7946, 13.1321, 2.2099



18.0447, 20.2530, 11.9108



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.



44.4508, 52.5421, 8.4613



74.8084, 88.3968, 13.1195



28.5925, 46.0781, 8.0494



12.1264, 13.0418, 11.9576



28.4538, 33.6405, 4.9936



1.4764, 1.7525, 0.2604



# Inverse Universe

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



11.2971, 5.1086, 56.2672



18.1259, 7.3719, 95.0753



16.7296, 7.7646, 56.4935



10.6260, 10.8925, 14.1128



6.9094, 2.8427, 36.1408



0.3653, 0.1643, 1.8674



# Previews

## White Background



This preview shows how the XYZ color 44.4496, 52.5396, 8.4602 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 44.4496, 52.5396, 8.4602 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 44.4496, 52.5396, 8.4602**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4496, 52.5396, 8.4602.



This preview shows how white text looks on a background with the XYZ color 44.4496, 52.5396,



# 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

44.4496, 52.5396, 8.4602

### Protanopia

47.2777, 52.3419, 8.1835

### Deuteranopia

53.6346, 52.4486, 8.8101



## Tritanopia

55.0359, 52.3453, 60.0263

# Trichromacy



## Original Color

44.4496, 52.5396, 8.4602

## Protanomaly

46.2733, 52.4795, 8.3068

## Deuteranomaly

49.6706, 51.9602, 8.5738

## Tritanomaly

48.7952, 51.3615, 29.5323

# Monochromacy



## Original Color

44.4496, 52.5396, 8.4602

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

41.2937, 46.6432, 24.9158

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4496, 52.5396, 8.4602 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, 197, 20)` looks like.

```
.text, #text, p{  
    color:rgb(202, 197, 20)  
}
```

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, 197, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 197, 20) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4496, 52.5396, 8.4602 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, 197, 20) }
```



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

```
.border{ border-color:rgb(202, 197, 20) }
```

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

Here you see how a box with a 4 pixel rgb(202, 197, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 197, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 197, 20);  
box-shadow:4px 4px 4px 4px rgb(202, 197,  
20) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4496, 52.5396, 8.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 197, 20) }
```

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

```
.background{ background-color: rgb(202,  
197, 20) }
```

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