

# Converting Colors

XYZ(44.7854, 51.0767, 25.4016)

Have a look what the booklet for  
XYZ(44.7854, 51.0767, 25.4016)  
contains.

<b>XYZ(44.7083, 50.9653, 25.2502)</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(44.7083, 50.9653,  
25.2502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2C178
RGB	194, 193, 120
RGB Percent	76%, 76%, 47%
CMY	0.2392, 0.2431, 0.5294
CMYK	0.00, 0.01, 0.38, 0.24
HSL	59°, 38%, 62%
HSV	59°, 38%, 76%
XYZ	44.7083, 50.9653, 25.2502
YIQ	184.9770, 24.0290, -22.4910

# Conversions

## Conversions Part 2

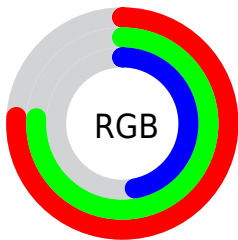
Format	Color
<a href="#">RYB</a>	<a href="#">121, 194, 120</a>
Decimal	<a href="#">12763512</a>
CIELab	<a href="#">76.66, -10.53, 36.88</a>
CIELCh	<a href="#">77, 38.355, 105.941</a>
Yxy	<a href="#">50.9653, 0.3697, 0.4215</a>
Android (android.graphics.Color)	<a href="#">4290953592 (0xFFC2C178)</a>
YUV	<a href="#">184.9770, -32.0337, 7.9132</a>
Hunter-Lab	<a href="#">71.3900, -13.1460, 29.0025</a>

# Details

The XYZ color **44.7083, 50.9653, 25.2502** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.3207, 21.5624, 53.9192**, and the grayscale version is **46.2656, 48.6750, 53.0071**.

A 20% lighter version of the original color is **81.5634, 91.4639, 52.8906**, and **21.1310, 24.6873, 9.4458** is the 20% darker color. If you saturate the color by 10%, you get **43.5911, 50.4280, 19.6460**, and if you desaturate by 10%, it is **46.0667, 51.6028, 32.1128**.

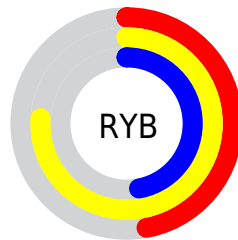
# Distribution



Red (76%)

Green (76%)

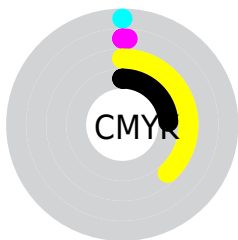
Blue (47%)



Red (47%)

Yellow (76%)

Blue (47%)

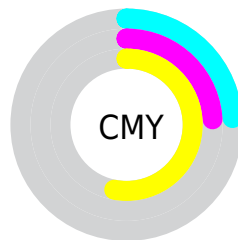


Cyan (0%)

Magenta (1%)

Yellow (38%)

Black (24%)



Cyan (24%)

Magenta (24%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7083, 50.9653, 25.2502 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 44.7083, 50.9653, 25.2502 by changing the saturation by 10% instead.



■ 44.7083, 50.9653,  
25.2502

■ 44.7083, 50.9653,  
25.2502

356.3945,  
390.4290, 292.5691

■ 31.4280, 36.1810,  
16.0428

■ 81.5223, 91.6035,  
53.0320

■ 21.0784, 24.5740,  
9.3998

■ 105.7867,  
118.2261, 72.4435

■ 13.2941, 15.7600,  
4.9025

■ 134.4432,  
149.5637, 96.0934

■ 7.7098, 9.3545,  
2.1324

167.8571,  
186.0006, 124.4004

■ 3.9600, 4.9731,  
0.6350

206.3939,  
227.9211, 157.7829

■ 1.6796, 2.2315,  
0.0000

250.4188,

■ 0.4434, 0.7371,

275.7098, 196.6595

0.0000

300.2972,  
329.7509, 241.4487

■ 0.0000, 0.0000,  
0.0000

■ 44.7083, 50.9653,  
25.2502

■ 44.7083, 50.9653,  
25.2502

■ 43.5911, 50.4280,  
19.6460

■ 46.0667, 51.6028,  
32.1128

■ 42.6969, 49.9783,  
15.2208

■ 47.6757, 52.3390,  
40.3006

■ 42.0107, 49.6119,  
11.8909


■ 49.5490, 53.1810,  
49.8795


■ 41.5145, 49.3217,  
9.5604


■ 51.6980, 54.1335,  
60.9099


■ 41.1868, 49.0990,  
8.1170


■ 54.1337, 55.2008,  
73.4488


 40.9947, 48.9308,  
7.3874

 56.8661, 56.3870,  
87.5503

 40.9644, 48.9017,  
7.2799

 59.7756, 57.6441,  
102.5837

 59.8340, 57.7610,  
102.6031

 59.8926, 57.8781,  
102.6227

# Harmonies

## Analogous

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



51.9109, 50.9653, 25.0498



44.7083, 50.9653, 25.2502



39.0882, 50.9653, 32.0805

# Triad

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



44.7083, 50.9653, 25.2502



39.3697, 50.9653, 89.4553



63.2791, 50.9653, 65.7792

# Complementary

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



44.7083, 50.9653, 25.2502



24.3207, 21.5624, 53.9192

# 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.



59.1780, 50.9653, 88.1854



44.7083, 50.9653, 25.2502



45.1292, 50.9653, 103.9944

# Square

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



44.7083, 50.9653, 25.2502



36.2228, 50.9653, 67.2094



52.3759, 50.9653, 103.4789



63.1375, 50.9653, 45.2233



# Rectangle

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



44.7083, 50.9653, 25.2502



36.7823, 50.9653, 40.7409



52.3759, 50.9653, 103.4789



62.3346, 50.9653, 73.4339

# Sweetspot

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



44.7096, 50.9676, 25.2513



88.6895, 95.8673, 84.8356



32.4306, 26.2891, 21.5300



19.3174, 20.9470, 18.0423



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.



44.7096, 50.9676, 25.2513



79.2372, 91.4908, 36.8963



36.8289, 47.2327, 24.9457



10.9015, 11.7343, 10.7523



26.9380, 32.1617, 4.7881



1.1677, 1.3972, 0.2081



# Inverse Universe

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



24.3207, 21.5624, 53.9192



36.9200, 30.4621, 96.4037



30.1198, 24.3733, 54.1561



9.5389, 9.7692, 12.6677



6.4256, 2.6078, 33.7213



0.2815, 0.1203, 1.4583



# Previews

## White Background



This preview shows how the XYZ color 44.7083, 50.9653, 25.2502 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 44.7083, 50.9653, 25.2502 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 44.7083, 50.9653, 25.2502**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7083, 50.9653, 25.2502.



This preview shows how white text looks on a background with the XYZ color 44.7083, 50.9653,



# 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

44.7083, 50.9653, 25.2502

### Protanopia

46.9212, 50.8250, 24.4767

### Deuteranopia

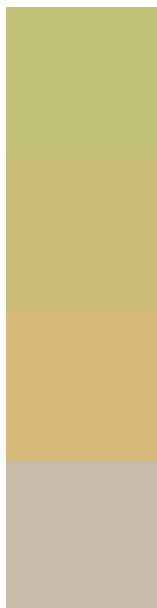
51.7776, 50.8087, 25.8170



## Tritanopia

51.9621, 51.0547, 60.5419

# Trichromacy



## Original Color

44.7083, 50.9653, 25.2502

## Protanomaly

46.1004, 50.7154, 24.8121

## Deuteranomaly

48.8861, 50.5501, 25.5929

## Tritanomaly

48.8454, 50.7223, 45.2462

# Monochromacy



## Original Color

44.7083, 50.9653, 25.2502

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

45.1553, 49.2310, 40.8408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7083, 50.9653, 25.2502 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(194, 193, 120)` looks like.

```
.text, #text, p{  
    color:rgb(194, 193, 120)  
}
```

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(194, 193, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 193, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7083, 50.9653, 25.2502 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(194, 193, 120) }
```



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

```
.border{ border-color:rgb(194, 193, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 193, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 193, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 193, 120);  
box-shadow:4px 4px 4px 4px rgb(194, 193,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7083, 50.9653, 25.2502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 193, 120) }
```

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

```
.background{ background-color: rgb(194,  
193, 120) }
```

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