

Converting Colors

XYZ(44.3386, 51.7109, 7.6443)

Have a look what the booklet for
XYZ(44.3386, 51.7109, 7.6443)
contains.

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Color

**XYZ(44.4169, 51.8676,
7.6704)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC300
RGB	204, 195, 0
RGB Percent	80%, 76%, 0%
CMY	0.2000, 0.2353, 0.9999
CMYK	0.00, 0.04, 1.00, 0.20
HSL	57°, 100%, 40%
HSV	57°, 100%, 80%
XYZ	44.4169, 51.8676, 7.6704
YIQ	175.4610, 67.9590, -58.7370

Conversions

Conversions Part 2

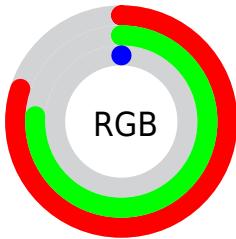
Format	Color
R_{YB}	9, 204, 0
Decimal	13419264
CIE Lab	77.20, -13.72, 78.09
CIE LCh	77, 79.289, 99.967
Yxy	51.8676, 0.4273, 0.4989
Android (android.graphics.Color)	4291609344 (0xFFCCC300)
YUV	175.4610, -86.5023, 25.0287
Hunter-Lab	72.0192, -15.9459, 44.0987

Details

The XYZ color **44.4169, 51.8676, 7.6704** 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 **10.9971, 4.5554, 57.4258**, and the grayscale version is **41.3995, 43.5555, 47.4320**.

A 20% lighter version of the original color is **77.2985, 90.8789, 21.6509**, and **21.3501, 25.3657, 3.7708** is the 20% darker color. If you saturate the color by 10%, you get **44.4177, 51.8696, 7.6708**, and if you desaturate by 10%, it is **44.7502, 52.3263, 8.4231**.

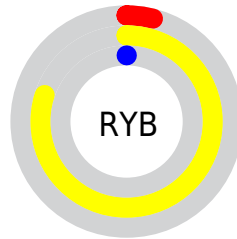
Distribution



Red (80%)

Green (76%)

Blue (0%)



Red (4%)

Yellow (80%)

Blue (0%)

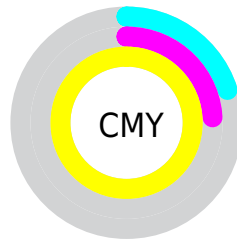


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4169, 51.8676, 7.6704 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 44.4169, 51.8676, 7.6704 by changing the saturation by 10% instead.


 44.4169, 51.8676,
7.6704


 44.4169, 51.8676,
7.6704


355.2304,
393.9253, 182.9604

 31.1977, 36.8996,
3.8000


 81.0872, 92.9359,
21.8451

 20.9020, 25.1297,
1.5163


 105.2690,
119.8050, 32.9866

 13.1644, 16.1737,
0.2300


 133.8357,
151.4099, 47.3888

 7.6197, 9.6472,
0.0000

 167.1527,
188.1350, 65.4703

 3.9023, 5.1657,
0.0000

 205.5853,
230.3647, 87.6497

 1.6470, 2.3448,
0.0000

 249.4989,

 0.4228, 0.7973,

278.4834, 114.3455

0.0000

299.2588,
332.8754, 145.9762

■ 0.0000, 0.0000,
0.0000

■ 44.4169, 51.8676,
7.6704

■ 44.4169, 51.8676,
7.6704

■ 44.4177, 51.8696,
7.6708

■ 44.7502, 52.3263,
8.4231

■ 45.2206, 52.8399,
9.8972

■ 45.8763, 53.4295,
12.3411

■ 46.7425, 54.1052,
15.8870

■ 47.8402, 54.8756,
20.6464

■ 49.1881, 55.7479,
26.7172

■ 50.8029, 56.7290,
34.1876

■ 52.6999, 57.8250,
43.1377

■ 54.8932, 59.0414,
53.6419

Harmonies

Analogous

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



59.9891, 51.8676, 8.7178



44.4169, 51.8676, 7.6704



32.8252, 51.8676, 13.5796

Triad

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



44.4169, 51.8676, 7.6704



30.1406, 51.8676, 128.9916



82.1217, 51.8676, 90.2249

Complementary

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



44.4169, 51.8676, 7.6704



10.9971, 4.5554, 57.4258

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.



70.5262, 51.8676, 147.8281



44.4169, 51.8676, 7.6704



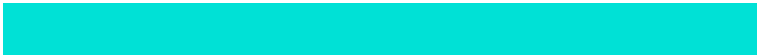
39.9602, 51.8676, 177.0486

Square

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



44.4169, 51.8676, 7.6704



25.7758, 51.8676, 72.2154



54.5255, 51.8676, 185.3052



83.9985, 51.8676, 43.2061

Rectangle

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



44.4169, 51.8676, 7.6704



28.0999, 51.8676, 24.1169



54.5255, 51.8676, 185.3052



79.1333, 51.8676, 109.4982

Sweetspot

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



44.4181, 51.8701, 7.6714



84.0196, 93.8813, 56.0758



24.9578, 12.8601, 1.4603



17.7289, 19.9418, 10.8178



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.



44.4181, 51.8701, 7.6714



73.5177, 85.8153, 12.6892



28.3015, 46.6438, 7.5121



12.1098, 13.0086, 11.9521



27.9759, 32.6848, 4.8343



1.4566, 1.7130, 0.2539

Inverse Universe

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



10.9971, 4.5554, 57.4258



18.1725, 7.4650, 95.0908



15.2940, 6.6256, 57.5989



10.6408, 10.9220, 14.1177



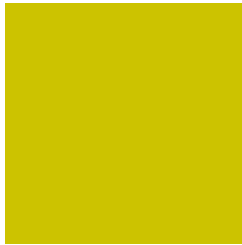
6.9393, 2.9026, 36.1508



0.3722, 0.1782, 1.8697

Previews

White Background



This preview shows how the XYZ color 44.4169, 51.8676, 7.6704 looks on a white background.

Color Contrast Check

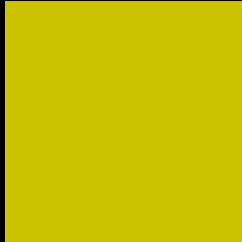
Large Text (above 18pt) WCAG AA × Fail

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 44.4169, 51.8676, 7.6704 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 44.4169, 51.8676, 7.6704

Background



This preview shows how black text looks on a background with the XYZ color 44.4169, 51.8676, 7.6704.

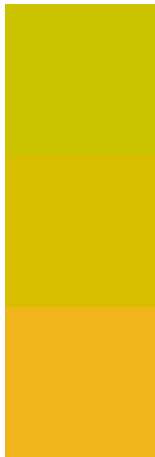


This preview shows how white text looks on a background with the XYZ color 44.4169, 51.8676, 7.6704.

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

44.4169, 51.8676, 7.6704

Protanopia

46.6551, 51.7087, 7.5218

Deuteranopia

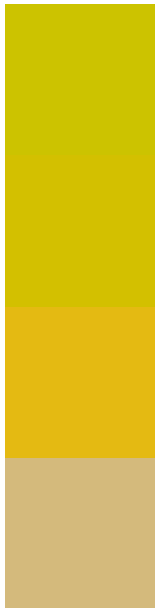
53.0091, 51.8324, 8.3094



Tritanopia

54.6931, 51.5868, 58.7044

Trichromacy



Original Color

44.4169, 51.8676, 7.6704

Protanomaly

45.7136, 51.5482, 7.5404

Deuteranomaly

49.6630, 51.6555, 7.9252

Tritanomaly

48.3484, 50.5701, 26.2816

Monochromacy



Original Color

44.4169, 51.8676, 7.6704

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.8469, 45.0427, 21.6329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4169, 51.8676, 7.6704 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(204, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 195, 0)  
}
```

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(204, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.4169, 51.8676, 7.6704 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(204, 195, 0) }
```


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

```
.border{ border-color:rgb(204, 195, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 195, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 195,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4169, 51.8676, 7.6704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 195, 0) }
```

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

```
.background{ background-color: rgb(204,  
195, 0) }
```

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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