

Converting Colors

XYZ(45.1395, 51.7485, 15.1664)

Have a look what the booklet for
XYZ(45.1395, 51.7485, 15.1664)
contains.

XYZ(45.0969, 51.7193, 15.1954)	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(45.0969, 51.7193,
15.1954)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC250
RGB	202, 194, 80
RGB Percent	79%, 76%, 31%
CMY	0.2078, 0.2392, 0.6863
CMYK	0.00, 0.04, 0.60, 0.21
HSL	56°, 54%, 55%
HSV	56°, 60%, 79%
XYZ	45.0969, 51.7193, 15.1954
YIQ	183.3960, 41.3620, -33.7580

Conversions

Conversions Part 2

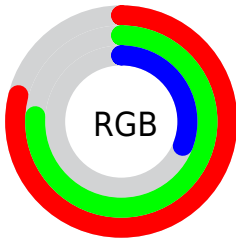
Format	Color
R _Y B	89, 202, 80
Decimal	13288016
CIE Lab	77.11, -11.37, 56.80
CIE LCh	77, 57.926, 101.320
Yxy	51.7193, 0.4026, 0.4617
Android (android.graphics.Color)	4291478096 (0xFFCAC250)
YUV	183.3960, -50.9742, 16.3157
Hunter-Lab	71.9161, -13.9201, 37.8137

Details

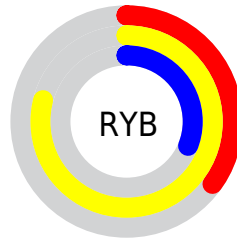
The XYZ color **45.0969, 51.7193, 15.1954** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **17.4587, 12.9490, 57.4561**, and the grayscale version is **45.4840, 47.8527, 52.1116**.

A 20% lighter version of the original color is **79.7287, 91.3524, 35.9849**, and **21.3566, 25.1314, 4.5358** is the 20% darker color. If you saturate the color by 10%, you get **44.1671, 50.8800, 11.7408**, and if you desaturate by 10%, it is **46.2561, 52.6584, 19.8344**.

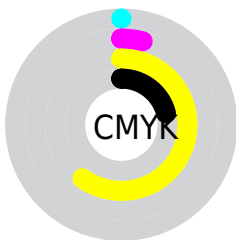
Distribution



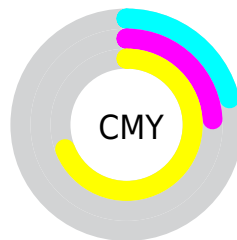
- Red (79%)
- Green (76%)
- Blue (31%)



- Red (35%)
- Yellow (79%)
- Blue (31%)



- Cyan (0%)
- Magenta (4%)
- Yellow (60%)
- Black (21%)





- Cyan (21%)
- Magenta (24%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0969, 51.7193, 15.1954 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 45.0969, 51.7193, 15.1954 by changing the saturation by 10% instead.


 45.0969, 51.7193,
15.1954

 45.0969, 51.7193,
15.1954


357.9430,
393.3520, 236.2273


 31.7354, 36.7814,
8.8085


 82.1020, 92.7171,
35.9427

 21.3140, 25.0383,
4.5214


 106.4762,
119.5458, 51.1403


 13.4675, 16.1056,
1.9155


 135.2521,
151.1069, 70.1117

 7.8305, 9.5989,
0.5026

 168.7949,
187.7848, 93.2757

 4.0375, 5.1338,
0.0000

 207.4700,
229.9639, 121.0507

 1.7234, 2.3260,
0.0000

251.6429,

 0.4708, 0.7874,

278.0285, 153.8553

0.0000

301.6787,
332.3631, 192.1079

■ 0.0000, 0.0000,
0.0000

■ 45.0969, 51.7193,
15.1954

■ 45.0969, 51.7193,
15.1954

■ 44.1671, 50.8800,
11.7408

■ 46.2561, 52.6584,
19.8344

■ 43.4423, 50.1250,
9.3577

■ 47.6592, 53.6974,
25.7507

■ 42.8989, 49.4467,
7.9175

■ 49.3240, 54.8452,
33.0314

■ 42.5036, 48.8497,
7.1888

■ 51.2653, 56.1079,
41.7553

■ 53.4969, 57.4910,
51.9951

■ 56.0318, 58.9996,
63.8187

■ 58.8820, 60.6386,
77.2897

■ 62.0590, 62.4126,
92.4683

■ 64.4587, 63.8799,
103.5405

Harmonies

Analogous

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



56.2946, 51.7193, 16.0568



45.0969, 51.7193, 15.1954



36.4009, 51.7193, 21.8182

Triad

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



45.0969, 51.7193, 15.1954



34.8425, 51.7193, 106.9116



72.2034, 51.7193, 78.1799

Complementary

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



45.0969, 51.7193, 15.1954



17.4587, 12.9490, 57.4561

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.



64.5929, 51.7193, 115.6209



45.0969, 51.7193, 15.1954



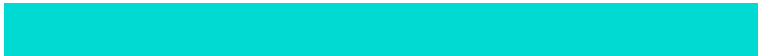
42.6509, 51.7193, 136.0471

Square

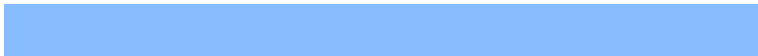
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.0969, 51.7193, 15.1954



31.1015, 51.7193, 69.1465



53.4551, 51.7193, 139.7259



73.1210, 51.7193, 45.1755

Rectangle

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



45.0969, 51.7193, 15.1954



32.7491, 51.7193, 31.8327



53.4551, 51.7193, 139.7259



70.2951, 51.7193, 90.9258

Sweetspot

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



45.0981, 51.7217, 15.1965



87.5690, 95.4843, 74.2015



28.9931, 19.0012, 11.4017



18.5185, 20.2954, 14.8589



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.



45.0981, 51.7217, 15.1965



74.4315, 85.8026, 18.6674



34.9876, 49.2224, 15.2469



12.0885, 12.9659, 11.9450



27.3763, 31.4856, 4.6344



1.4317, 1.6631, 0.2456

Inverse Universe

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



17.4587, 12.9490, 57.4561



23.8043, 14.8275, 96.2151



23.1817, 14.9779, 57.5461



10.6598, 10.9600, 14.1240



6.9781, 2.9802, 36.1637



0.3811, 0.1960, 1.8727

Previews

White Background



This preview shows how the XYZ color 45.0969, 51.7193, 15.1954 looks on a white background.

Color Contrast Check

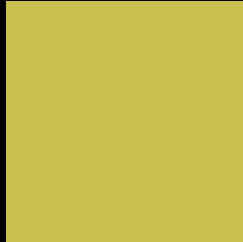
Large Text (above 18pt) WCAG AA × Fail

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 45.0969, 51.7193, 15.1954 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 45.0969, 51.7193, 15.1954

Background



This preview shows how black text looks on a background with the XYZ color 45.0969, 51.7193, 15.1954.



This preview shows how white text looks on a background with the XYZ color 45.0969, 51.7193,

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

45.0969, 51.7193, 15.1954

Protanopia

47.1935, 51.8232, 14.9126

Deuteranopia

52.7162, 51.5207, 15.5536



Tritanopia

54.1323, 51.5876, 59.3289

Trichromacy



Original Color

45.0969, 51.7193, 15.1954

Protanomaly

46.2733, 51.6737, 14.9323

Deuteranomaly

49.8607, 51.5896, 15.5135

Tritanomaly

49.6861, 51.0062, 37.7983

Monochromacy



Original Color

45.0969, 51.7193, 15.1954

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.1938, 48.5631, 34.2385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0969, 51.7193, 15.1954 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, 194, 80)` looks like.

```
.text, #text, p{  
    color:rgb(202, 194, 80)  
}
```

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, 194, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 194, 80) }
```

Border

The CSS property to change the border of an element to XYZ 45.0969, 51.7193, 15.1954 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, 194, 80) }
```


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

```
.border{ border-color:rgb(202, 194, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 194, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 194, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 194, 80);  
box-shadow:4px 4px 4px 4px rgb(202, 194,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0969, 51.7193, 15.1954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 194, 80) }
```

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

```
.background{ background-color: rgb(202,  
194, 80) }
```

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