

Converting Colors

XYZ(44.6069, 51.9504, 12.0198)

Have a look what the booklet for
XYZ(44.6069, 51.9504, 12.0198)
contains.

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Color

**XYZ(44.4181, 51.7740,
11.9273)**

Conversions

Conversions Part 1

Format	Color
Hex	C9C33C
RGB	201, 195, 60
RGB Percent	79%, 76%, 24%
CMY	0.2118, 0.2353, 0.7647
CMYK	0.00, 0.03, 0.70, 0.21
HSL	57°, 57%, 51%
HSV	57°, 70%, 79%
XYZ	44.4181, 51.7740, 11.9273
YIQ	181.4040, 46.9110, -40.7130

Conversions

Conversions Part 2

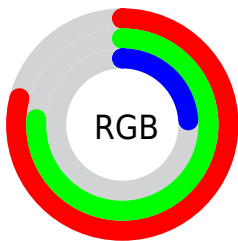
Format	Color
RYB	66, 201, 60
Decimal	13222716
CIELab	77.15, -13.48, 64.90
CIELCh	77, 66.285, 101.732
Yxy	51.7740, 0.4108, 0.4789
Android (android.graphics.Color)	4291412796 (0xFFC9C33C)
YUV	181.4040, -59.8522, 17.1857
Hunter-Lab	71.9542, -15.7297, 40.5398

Details

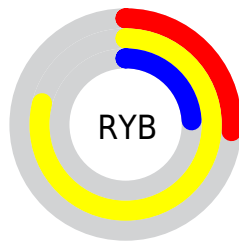
The XYZ color **44.4181, 51.7740, 11.9273** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.3544, 9.0741, 56.2528**, and the grayscale version is **44.4376, 46.7518, 50.9127**.

A 20% lighter version of the original color is **78.8896, 91.5153, 30.0293**, and **21.0007, 25.1856, 3.7545** is the 20% darker color. If you saturate the color by 10%, you get **43.7940, 51.2209, 9.5774**, and if you desaturate by 10%, it is **45.2474, 52.4149, 15.3420**.

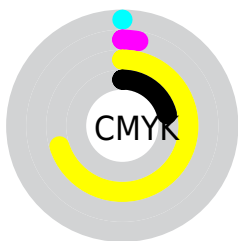
Distribution



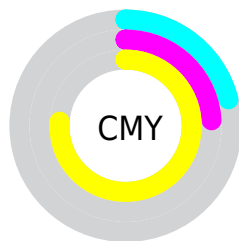
- Red (79%)
- Green (76%)
- Blue (24%)



- Red (26%)
- Yellow (79%)
- Blue (24%)



- Cyan (0%)
- Magenta (3%)
- Yellow (70%)
- Black (21%)



- Cyan (21%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4181, 51.7740, 11.9273 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 44.4181, 51.7740, 11.9273 by changing the saturation by 10% instead.

■ 44.4181, 51.7740,
11.9273

■ 44.4181, 51.7740,
11.9273

355.2352,
393.5635, 214.8842

■ 31.1987, 36.8250,
6.5723

■ 81.0890, 92.7979,
30.0250

■ 20.9027, 25.0720,
3.1217

■ 105.2711,
119.6415, 43.6048

■ 13.1650, 16.1307,
1.1571

■ 133.8382,
151.2187, 60.7633

■ 7.6200, 9.6167,
0.0000

■ 167.1556,
187.9140, 81.9189

■ 3.9025, 5.1456,
0.0000

■ 205.5886,
230.1117, 107.4903

■ 1.6471, 2.3329,
0.0000

249.5026,

■ 0.4228, 0.7911,

278.1963, 137.8959

0.0000

299.2631,
332.5521, 173.5544

■ 0.0000, 0.0000,
0.0000

■ 44.4181, 51.7740,
11.9273

■ 44.4181, 51.7740,
11.9273

■ 43.7940, 51.2209,
9.5774

■ 45.2474, 52.4149,
15.3420

■ 43.3474, 50.7385,
8.1616

■ 46.2989, 53.1444,
19.9263

■ 43.0368, 50.3167,
7.4438

■ 47.5916, 53.9723,
25.7758

■ 49.1417, 54.9048,
32.9753

■ 50.9640, 55.9480,
41.6026

■ 53.0721, 57.1072,
51.7292

■ 55.4786, 58.3876,
63.4221

■ 58.1956, 59.7940,
76.7442

■ 61.2342, 61.3308,
91.7548

Harmonies

Analogous

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



57.2518, 51.7740, 12.6737



44.4181, 51.7740, 11.9273



34.7032, 51.7740, 18.6792

Triad

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



44.4181, 51.7740, 11.9273



33.1697, 51.7740, 116.7727



76.1728, 51.7740, 81.2063

Complementary

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



44.4181, 51.7740, 11.9273



14.3544, 9.0741, 56.2528

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.



67.2821, 51.7740, 126.1571



44.4181, 51.7740, 11.9273



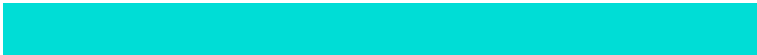
41.9582, 51.7740, 152.0328

Square

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



44.4181, 51.7740, 11.9273



28.9953, 51.7740, 71.7914



54.3339, 51.7740, 156.0584



77.1392, 51.7740, 43.3372

Rectangle

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



44.4181, 51.7740, 11.9273



30.7132, 51.7740, 29.3558



54.3339, 51.7740, 156.0584



73.9490, 51.7740, 96.3144

Sweetspot

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



44.4193, 51.7764, 11.9284



86.8737, 95.5744, 69.4053



26.7181, 16.0555, 7.0096



18.4006, 20.3470, 13.9336



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.



44.4193, 51.7764, 11.9284



74.5604, 87.2660, 14.9938



32.1094, 47.4644, 11.7448



11.4838, 12.3367, 11.3387



27.0778, 31.6728, 4.6863



1.2944, 1.5242, 0.2260

Inverse Universe

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



14.3544, 9.0741, 56.2528



20.0931, 9.9605, 95.4713



20.3919, 11.6936, 56.4402



10.0922, 10.3585, 13.3850



6.7041, 2.8021, 34.9319



0.3303, 0.1585, 1.6583

Previews

White Background



This preview shows how the XYZ color 44.4181, 51.7740, 11.9273 looks on a white background.

Color Contrast Check

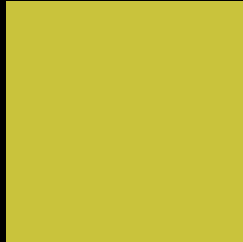
Large Text (above 18pt) WCAG AA × Fail

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 44.4181, 51.7740, 11.9273 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 44.4181, 51.7740, 11.9273

Background



This preview shows how black text looks on a background with the XYZ color 44.4181, 51.7740, 11.9273.



This preview shows how white text looks on a background with the XYZ color 44.4181, 51.7740,

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

44.4181, 51.7740, 11.9273

Protanopia

46.8608, 51.7235, 11.6515

Deuteranopia

52.7379, 51.6065, 12.1825



Tritanopia

54.1323, 51.5876, 59.3289

Trichromacy



Original Color

44.4181, 51.7740, 11.9273

Protanomaly

45.9335, 51.5704, 11.6708

Deuteranomaly

49.5074, 51.4842, 12.0308

Tritanomaly

49.3313, 51.2025, 34.8868

Monochromacy



Original Color

44.4181, 51.7740, 11.9273

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.8133, 47.6153, 30.6011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4181, 51.7740, 11.9273 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(201, 195, 60)` looks like.

```
.text, #text, p{  
    color:rgb(201, 195, 60)  
}
```

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(201, 195, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 195, 60) }
```

Border

The CSS property to change the border of an element to XYZ 44.4181, 51.7740, 11.9273 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(201, 195, 60) }
```


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

```
.border{ border-color:rgb(201, 195, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 195, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 195, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 195, 60);  
box-shadow:4px 4px 4px 4px rgb(201, 195,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4181, 51.7740, 11.9273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 195, 60) }
```

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

```
.background{ background-color: rgb(201,  
195, 60) }
```

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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