

Converting Colors

XYZ(44.6901, 51.7570, 17.2223)

Have a look what the booklet for
XYZ(44.6901, 51.7570, 17.2223)
contains.

XYZ(44.6493, 51.7742, 17.3130)	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(44.6493, 51.7742,
17.3130)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C35A
RGB	198, 195, 90
RGB Percent	78%, 76%, 35%
CMY	0.2235, 0.2353, 0.6470
CMYK	0.00, 0.02, 0.55, 0.22
HSL	58°, 49%, 56%
HSV	58°, 55%, 78%
XYZ	44.6493, 51.7742, 17.3130
YIQ	183.9270, 35.4930, -32.0190

Conversions

Conversions Part 2

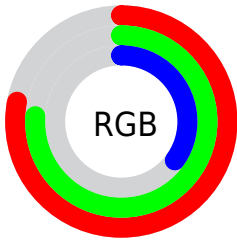
Format	Color
R_{YB}	93, 198, 90
Decimal	13026138
CIE _{Lab}	77.15, -12.81, 52.24
CIE _{LCh}	77, 53.791, 103.773
Yxy	51.7742, 0.3926, 0.4552
Android (android.graphics.Color)	4291216218 (0xFFC6C35A)
YUV	183.9270, -46.3060, 12.3420
Hunter-Lab	71.9543, -15.1566, 36.1022

Details

The XYZ color **44.6493, 51.7742, 17.3130** 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 **18.3239, 14.0792, 55.1777**, and the grayscale version is **45.7548, 48.1376, 52.4218**.

A 20% lighter version of the original color is **80.6951, 92.2375, 39.5371**, and **21.1623, 25.2304, 5.5048** is the 20% darker color. If you saturate the color by 10%, you get **43.7941, 51.2375, 13.4096**, and if you desaturate by 10%, it is **45.7319, 52.4063, 22.4008**.

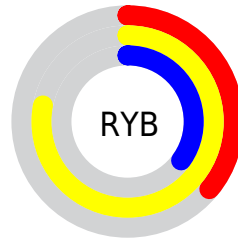
Distribution



Red (78%)

Green (76%)

Blue (35%)



Red (36%)

Yellow (78%)

Blue (35%)

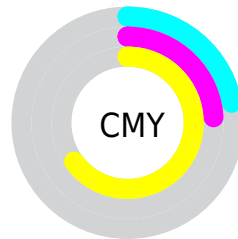


Cyan (0%)

Magenta (2%)

Yellow (55%)

Black (22%)



Cyan (22%)

Magenta (24%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6493, 51.7742, 17.3130 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 44.6493, 51.7742, 17.3130 by changing the saturation by 10% instead.

■ 44.6493, 51.7742,
17.3130

■ 44.6493, 51.7742,
17.3130

356.1590,
393.5643, 249.0744

■ 31.3814, 36.8251,
10.2936

■ 81.4342, 92.7981,
39.6612

■ 21.0427, 25.0721,
5.4859

■ 105.6819,
119.6418, 55.8270

■ 13.2678, 16.1308,
2.4714

■ 134.3203,
151.2191, 75.8787

■ 7.6915, 9.6168,
0.8249

■ 167.7146,
187.9145, 100.2348

■ 3.9483, 5.1456,
0.0000

206.2303,
230.1123, 129.3139

■ 1.6729, 2.3329,
0.0000

250.2327,

■ 0.4392, 0.7911,

278.1969, 163.5345

0.0000

300.0871,
332.5528, 203.3152

■ 0.0000, 0.0000,
0.0000

■ 44.6493, 51.7742,
17.3130

■ 44.6493, 51.7742,
17.3130

■ 43.7941, 51.2375,
13.4096

■ 45.7319, 52.4063,
22.4008

■ 43.1443, 50.7819,
10.5913

■ 47.0545, 53.1333,
28.7553

■ 42.6801, 50.4012,
8.7480

■ 48.6331, 53.9633,
36.4554

■ 42.3758, 50.0852,
7.7446

■ 50.4811, 54.9019,
45.5725

■ 42.2504, 49.9294,
7.4105

■ 52.6113, 55.9541,
56.1730

■ 55.0354, 57.1245,
68.3191

■ 57.7646, 58.4177,
82.0695

■ 60.8094, 59.8379,
97.4797

■ 61.9804, 60.5093,
103.0205

Harmonies

Analogous

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



54.9464, 51.7742, 17.6003



44.6493, 51.7742, 17.3130



36.7554, 51.7742, 24.5653

Triad

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



44.6493, 51.7742, 17.3130



36.2647, 51.7742, 105.3441



70.7491, 51.7742, 73.7301

Complementary

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



44.6493, 51.7742, 17.3130



18.3239, 14.0792, 55.1777

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.



64.2008, 51.7742, 107.9671



44.6493, 51.7742, 17.3130



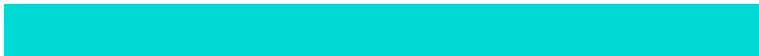
43.8871, 51.7742, 130.1306

Square

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



44.6493, 51.7742, 17.3130



32.3906, 51.7742, 70.9640



54.0708, 51.7742, 131.2300



71.0286, 51.7742, 43.9336

Rectangle

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



44.6493, 51.7742, 17.3130



33.5138, 51.7742, 34.8626



54.0708, 51.7742, 131.2300



69.1709, 51.7742, 85.2949

Sweetspot

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



44.6505, 51.7766, 17.3141



88.8033, 96.9256, 77.7804



28.9476, 20.1196, 12.8542



18.8563, 20.6698, 15.9003



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.



44.6505, 51.7766, 17.3141



77.3651, 90.6083, 22.9179



34.1803, 47.3850, 17.0183



11.4977, 12.3646, 11.3434



27.4876, 32.4923, 4.8229



1.3097, 1.5548, 0.2311

Inverse Universe

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



18.3239, 14.0792, 55.1777



26.1828, 17.3342, 96.5736



24.7324, 17.0004, 55.4038



10.0799, 10.3338, 13.3808



6.6779, 2.7497, 34.9231



0.3246, 0.1470, 1.6564

Previews

White Background



This preview shows how the XYZ color 44.6493, 51.7742, 17.3130 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 44.6493, 51.7742, 17.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

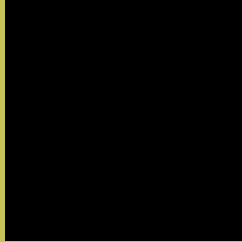
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.6493, 51.7742, 17.3130

Background



This preview shows how black text looks on a background with the XYZ color 44.6493, 51.7742, 17.3130.



This preview shows how white text looks on a background with the XYZ color 44.6493, 51.7742,

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

44.6493, 51.7742, 17.3130

Protanopia

47.2979, 51.8318, 16.9629

Deuteranopia

52.4759, 51.3483, 17.7351



Tritanopia

53.4210, 51.4995, 60.5509

Trichromacy



Original Color

44.6493, 51.7742, 17.3130

Protanomaly

46.1064, 51.5424, 16.9698

Deuteranomaly

49.3535, 51.2803, 17.6528

Tritanomaly

49.2052, 51.0230, 40.0559

Monochromacy



Original Color

44.6493, 51.7742, 17.3130

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.4745, 48.9873, 35.9656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6493, 51.7742, 17.3130 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(198, 195, 90)` looks like.

```
.text, #text, p{  
    color:rgb(198, 195, 90)  
}
```

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(198, 195, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 195, 90) }
```

Border

The CSS property to change the border of an element to XYZ 44.6493, 51.7742, 17.3130 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(198, 195, 90) }
```


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

```
.border{ border-color:rgb(198, 195, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 195, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 195, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 195, 90);  
box-shadow:4px 4px 4px 4px rgb(198, 195,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6493, 51.7742, 17.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 195, 90) }
```

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

```
.background{ background-color: rgb(198,  
195, 90) }
```

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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