

Converting Colors

XYZ(48.5675, 51.8266, 17.7674)

Have a look what the booklet for
XYZ(48.5675, 51.8266, 17.7674)
contains.

XYZ(48.4923, 51.7844, 17.7955)	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(48.4923, 51.7844,
17.7955)**

Conversions

Conversions Part 1

Format	Color
Hex	D8BD5D
RGB	216, 189, 93
RGB Percent	85%, 74%, 36%
CMY	0.1529, 0.2588, 0.6353
CMYK	0.00, 0.12, 0.57, 0.15
HSL	47°, 61%, 61%
HSV	47°, 57%, 85%
XYZ	48.4923, 51.7844, 17.7955
YIQ	186.1290, 46.9080, -24.1320

Conversions

Conversions Part 2

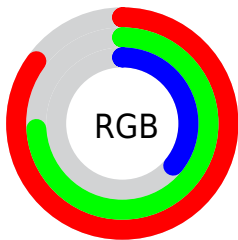
Format	Color
RYB	128, 216, 93
Decimal	14204253
CIELab	77.15, -1.99, 51.26
CIELCh	77, 51.296, 92.220
Yxy	51.7844, 0.4107, 0.4386
Android (android.graphics.Color)	4292394333 (0xFFD8BD5D)
YUV	186.1290, -45.9126, 26.1969
Hunter-Lab	71.9614, -5.6474, 35.7110

Details

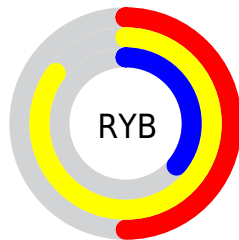
The XYZ color **48.4923, 51.7844, 17.7955** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **23.6252, 20.7173, 67.7192**, and the grayscale version is **46.9765, 49.4229, 53.8216**.

A 20% lighter version of the original color is **79.0807, 88.6401, 40.1354**, and **23.3049, 25.0375, 5.7022** is the 20% darker color. If you saturate the color by 10%, you get **46.6647, 49.4502, 13.1146**, and if you desaturate by 10%, it is **50.6258, 54.2982, 23.9124**.

Distribution



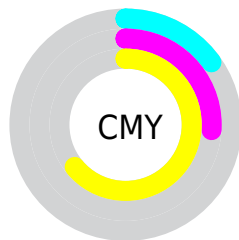
- Red (85%)
- Green (74%)
- Blue (36%)



- Red (50%)
- Yellow (85%)
- Blue (36%)



- Cyan (0%)
- Magenta (12%)
- Yellow (57%)
- Black (15%)



- Cyan (15%)
- Magenta (26%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4923, 51.7844, 17.7955 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 48.4923, 51.7844, 17.7955 by changing the saturation by 10% instead.

■ 48.4923, 51.7844,
17.7955

■ 48.4923, 51.7844,
17.7955

371.2904,
393.6037, 251.9131

■ 34.4298, 36.8333,
10.6353

■ 87.1422, 92.8132,
40.4978

■ 23.3884, 25.0784,
5.7111

■ 112.4603,
119.6596, 56.8770

■ 15.0028, 16.1355,
2.6043

■ 142.2610,
151.2400, 77.1663

■ 8.9077, 9.6201,
0.8947

■ 176.9096,
187.9386, 101.7842

■ 4.7377, 5.1478,
0.0000

216.7715,
230.1399, 131.1493

■ 2.1273, 2.3342,
0.0000

262.2120,

■ 0.7040, 0.7917,

278.2282, 165.6802

0.0000

313.5965,
332.5880, 205.7952

■ 0.0000, 0.0000,
0.0000

■ 48.4923, 51.7844,
17.7955

■ 48.4923, 51.7844,
17.7955

■ 46.6647, 49.4502,
13.1146

■ 50.6258, 54.2982,
23.9124

■ 45.1157, 47.2783,
9.7431

■ 53.0827, 56.9933,
31.5712

■ 43.8188, 45.2596,
7.5379

■ 55.8830, 59.8800,
40.8714

■ 42.7379, 43.3791,
6.3101

■ 59.0443, 62.9659,
51.9033

■ 42.4314, 42.8241,
6.0295

■ 62.5827, 66.2579,
64.7506

■ 66.5133, 69.7626,
79.4913

■ 70.8503, 73.4861,
96.1993

■ 73.8187, 76.7187,
105.5253

■ 75.1328, 79.3468,
105.9633

Harmonies

Analogous

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



58.5456, 51.7844, 20.8199



48.4923, 51.7844, 17.7955



39.8311, 51.7844, 21.9159

Triad

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



48.4923, 51.7844, 17.7955



34.9230, 51.7844, 90.3736



67.8673, 51.7844, 85.4989

Complementary

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



48.4923, 51.7844, 17.7955



23.6252, 20.7173, 67.7192

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.



59.9782, 51.7844, 115.5532



48.4923, 51.7844, 17.7955



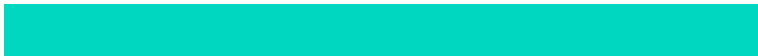
40.9405, 51.7844, 118.9632

Square

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



48.4923, 51.7844, 17.7955



32.6734, 51.7844, 58.5035



49.9540, 51.7844, 129.4325



70.5785, 51.7844, 54.3172

Rectangle

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



48.4923, 51.7844, 17.7955



35.7645, 51.7844, 29.3403



49.9540, 51.7844, 129.4325



65.6856, 51.7844, 96.3809

Sweetspot

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



48.4935, 51.7869, 17.7965



85.8792, 91.5951, 75.2094



35.7278, 23.8258, 21.0315



18.1730, 19.4052, 15.3581



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.



48.4935, 51.7869, 17.7965



67.5462, 71.4599, 18.1361



46.1079, 59.9938, 19.5064



13.2309, 14.0359, 13.1726



25.1979, 25.5131, 3.5965



1.5783, 1.6559, 0.2364

Inverse Universe

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



23.6252, 20.7173, 67.7192



28.1702, 22.3463, 97.4363



24.8842, 17.2076, 66.9754



11.9614, 12.4462, 15.7094



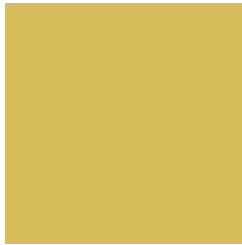
8.0135, 4.2888, 38.8586



0.5458, 0.3835, 2.3646

Previews

White Background



This preview shows how the XYZ color 48.4923, 51.7844, 17.7955 looks on a white background.

Color Contrast Check

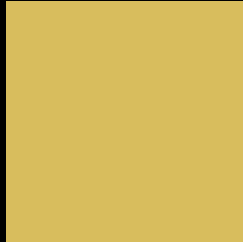
Large Text (above 18pt) WCAG AA × Fail

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 48.4923, 51.7844, 17.7955 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 48.4923, 51.7844, 17.7955

Background



This preview shows how black text looks on a background with the XYZ color 48.4923, 51.7844, 17.7955.



This preview shows how white text looks on a background with the XYZ color 48.4923, 51.7844,

17.7955.

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

48.4923, 51.7844, 17.7955

Protanopia

47.5152, 51.9186, 18.1067

Deuteranopia

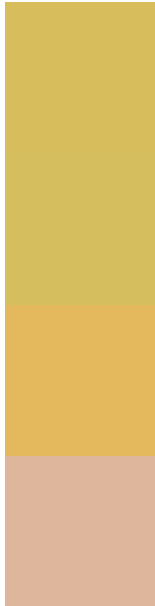
53.0545, 51.9443, 18.0565



Tritanopia

56.4862, 51.6541, 56.8623

Trichromacy



Original Color

48.4923, 51.7844, 17.7955

Protanomaly

47.8744, 51.7812, 18.0612

Deuteranomaly

51.3643, 52.0001, 17.9195

Tritanomaly

52.8529, 51.3858, 38.5853

Monochromacy



Original Color

48.4923, 51.7844, 17.7955

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4638, 49.6780, 36.8457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4923, 51.7844, 17.7955 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(216, 189, 93)` looks like.

```
.text, #text, p{  
    color:rgb(216, 189, 93)  
}
```

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(216, 189, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 189, 93) }
```

Border

The CSS property to change the border of an element to XYZ 48.4923, 51.7844, 17.7955 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(216, 189, 93) }
```


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

```
.border{ border-color:rgb(216, 189, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 189, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 189, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 189, 93);  
box-shadow:4px 4px 4px 4px rgb(216, 189,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4923, 51.7844, 17.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 189, 93) }
```

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

```
.background{ background-color: rgb(216,  
189, 93) }
```

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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