

Converting Colors

XYZ(47.0996, 51.5665, 23.2642)

Have a look what the booklet for
XYZ(47.0996, 51.5665, 23.2642)
contains.

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Color

**XYZ(47.1217, 51.5983,
23.3955)**

Conversions

Conversions Part 1

Format	Color
Hex	CEBF72
RGB	206, 191, 114
RGB Percent	81%, 75%, 45%
CMY	0.1922, 0.2510, 0.5529
CMYK	0.00, 0.07, 0.45, 0.19
HSL	50°, 48%, 63%
HSV	50°, 45%, 81%
XYZ	47.1217, 51.5983, 23.3955
YIQ	186.7070, 33.6570, -20.7670

Conversions

Conversions Part 2

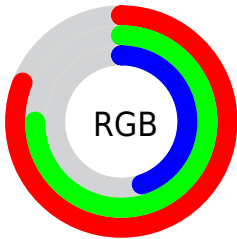
Format	Color
RYB	132, 206, 114
Decimal	13549426
CIELab	77.04, -5.31, 40.62
CIElCh	77, 40.969, 97.441
Yxy	51.5983, 0.3859, 0.4225
Android (android.graphics.Color)	4291739506 (0xFFCEBF72)
YUV	186.7070, -35.8446, 16.9200
Hunter-Lab	71.8320, -8.6101, 30.9718

Details

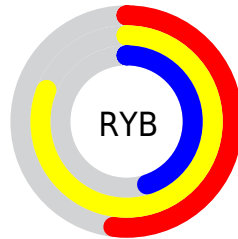
The XYZ color **47.1217, 51.5983, 23.3955** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.9302, 23.7335, 61.6069**, and the grayscale version is **47.2523, 49.7131, 54.1376**.

A 20% lighter version of the original color is **81.4758, 90.5715, 49.7470**, and **22.5916, 25.0312, 8.4913** is the 20% darker color. If you saturate the color by 10%, you get **45.3553, 49.7354, 17.6590**, and if you desaturate by 10%, it is **49.1715, 53.6052, 30.5304**.

Distribution



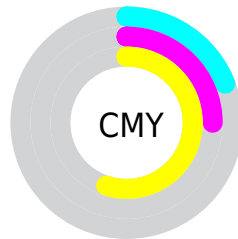
- Red (81%)
- Green (75%)
- Blue (45%)



- Red (52%)
- Yellow (81%)
- Blue (45%)



- Cyan (0%)
- Magenta (7%)
- Yellow (45%)
- Black (19%)



- Cyan (19%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1217, 51.5983, 23.3955 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 47.1217, 51.5983, 23.3955 by changing the saturation by 10% instead.

■ 47.1217, 51.5983,
23.3955

■ 47.1217, 51.5983,
23.3955

365.9409,
392.8839, 282.9374

■ 33.3402, 36.6850,
14.6778

■ 85.1129, 92.5385,
49.9733

■ 22.5477, 24.9637,
8.4495

■ 110.0533,
119.3343, 68.6705

■ 14.3787, 16.0500,
4.2920

■ 139.4441,
150.8596, 91.5313

■ 8.4680, 9.5595,
1.7869

173.6506,
187.4989, 118.9741

■ 4.4502, 5.1079,
0.4193

213.0382,
229.6366, 151.4176

■ 1.9598, 2.3107,
0.0000

257.9722,

■ 0.6112, 0.7794,

277.6570, 189.2803

0.0000

308.8180,
331.9447, 232.9807

■ 0.0000, 0.0000,
0.0000

■ 47.1217, 51.5983,
23.3955

■ 47.1217, 51.5983,
23.3955

■ 45.3553, 49.7354,
17.6590

■ 49.1715, 53.6052,
30.5304

■ 43.8505, 48.0019,
13.2231

■ 51.5173, 55.7557,
39.1462

■ 42.5882, 46.3919,
9.9826

■ 54.1754, 58.0583,
49.3228

■ 41.5449, 44.8958,
7.8144

■ 57.1599, 60.5188,
61.1336

■ 40.6921, 43.5021,
6.5687

■ 60.4838, 63.1427,
74.6472

■ 40.2870, 42.7885,
6.1357

■ 64.1596, 65.9351,
89.9281

■ 67.6791, 68.6927,
104.2997

■ 68.5403, 70.4152,
104.5868

■ 69.4192, 72.1729,
104.8797

Harmonies

Analogous

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



55.0376, 51.5983, 25.0683



47.1217, 51.5983, 23.3955



40.4608, 51.5983, 28.4665

Triad

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



47.1217, 51.5983, 23.3955



38.0507, 51.5983, 86.6248



64.2736, 51.5983, 74.3661

Complementary

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



47.1217, 51.5983, 23.3955



25.9302, 23.7335, 61.6069

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.



58.7595, 51.5983, 97.7577



47.1217, 51.5983, 23.3955



43.4996, 51.5983, 106.0465

Square

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



47.1217, 51.5983, 23.3955



35.5977, 51.5983, 61.9431



51.0151, 51.5983, 110.5865



65.5070, 51.5983, 50.7893

Rectangle

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



47.1217, 51.5983, 23.3955



37.4340, 51.5983, 36.0543



51.0151, 51.5983, 110.5865



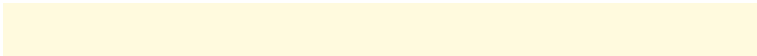
62.8328, 51.5983, 82.6771

Sweetspot

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



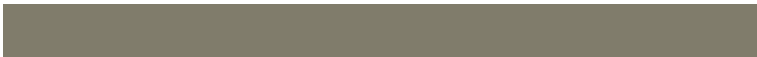
47.1230, 51.6007, 23.3966



88.4652, 94.6468, 82.6079



35.4560, 26.7509, 24.1806



18.7158, 20.0734, 16.8256



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.



47.1230, 51.6007, 23.3966



73.4820, 80.5783, 28.6025



42.8630, 54.5103, 24.1827



11.9921, 12.7732, 11.9129



24.8677, 26.4684, 3.7982



1.3255, 1.4507, 0.2102

Inverse Universe

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



25.9302, 23.7335, 61.6069



34.7672, 29.7041, 98.5088



28.7768, 22.4810, 61.2151



10.7470, 11.1345, 14.1531



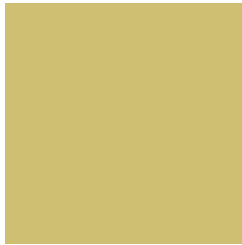
7.2523, 3.5286, 36.2551



0.4216, 0.2769, 1.8862

Previews

White Background



This preview shows how the XYZ color 47.1217, 51.5983, 23.3955 looks on a white background.

Color Contrast Check

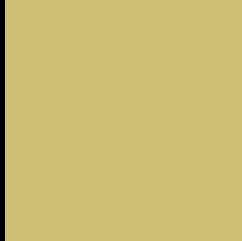
Large Text (above 18pt) WCAG AA × Fail

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 47.1217, 51.5983, 23.3955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

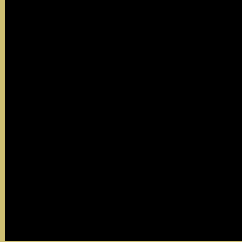
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1217, 51.5983, 23.3955

Background



This preview shows how black text looks on a background with the XYZ color 47.1217, 51.5983, 23.3955.



This preview shows how white text looks on a background with the XYZ color 47.1217, 51.5983,

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

47.1217, 51.5983, 23.3955

Protanopia

47.4631, 51.4517, 23.3492

Deuteranopia

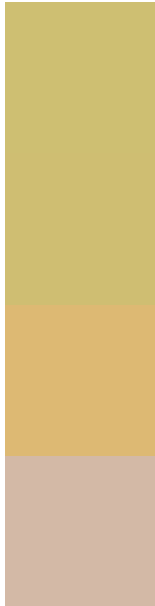
52.5135, 51.5398, 23.7034



Tritanopia

54.1058, 51.2840, 58.6769

Trichromacy



Original Color

47.1217, 51.5983, 23.3955

Protanomaly

47.1828, 51.3072, 23.3361

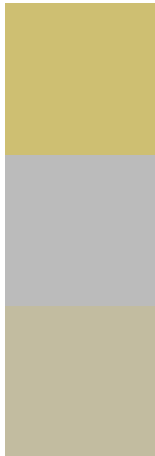
Deuteranomaly

50.2623, 51.3079, 23.4740

Tritanomaly

51.0959, 51.3000, 43.2852

Monochromacy



Original Color

47.1217, 51.5983, 23.3955

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5765, 49.9738, 40.4488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1217, 51.5983, 23.3955 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(206, 191, 114)` looks like.

```
.text, #text, p{  
    color:rgb(206, 191, 114)  
}
```

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(206, 191, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 191, 114) }
```

Border

The CSS property to change the border of an element to XYZ 47.1217, 51.5983, 23.3955 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(206, 191, 114) }
```


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

```
.border{ border-color:rgb(206, 191, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 191, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 191, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 191, 114);  
box-shadow:4px 4px 4px 4px rgb(206, 191,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1217, 51.5983, 23.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 191, 114) }
```

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

```
.background{ background-color: rgb(206,  
191, 114) }
```

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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