

Converting Colors

XYZ(51.1812, 62.1982, 21.1123)

Have a look what the booklet for
XYZ(51.1812, 62.1982, 21.1123)
contains.

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Color

**XYZ(51.1812, 62.1982,
21.1123)**

Conversions

Conversions Part 1

Format	Color
Hex	CBD763
RGB	203, 215, 99
RGB Percent	80%, 84%, 39%
CMY	0.2039, 0.1568, 0.6118
CMYK	0.06, 0.00, 0.54, 0.16
HSL	66°, 59%, 62%
HSV	66°, 54%, 84%
XYZ	51.1812, 62.1982, 21.1123
YIQ	198.1880, 30.0840, -38.6200

Conversions

Conversions Part 2

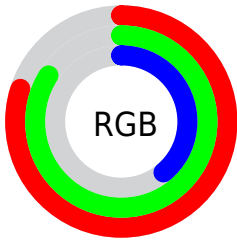
Format	Color
RYB	99, 215, 111
Decimal	13358947
CIELab	83.02, -20.02, 54.96
CIELCh	83, 58.497, 110.017
Yxy	62.1982, 0.3806, 0.4625
Android (android.graphics.Color)	4291549027 (0xFFCBD763)
YUV	198.1880, -48.8997, 4.2201
Hunter-Lab	78.8658, -22.1749, 39.3342

Details

The XYZ color **51.1812, 62.1982, 21.1123** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.2852, 17.2110, 66.3884**, and the grayscale version is **54.0676, 56.8834, 61.9460**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **24.8985, 31.4421, 7.2393** is the 20% darker color. If you saturate the color by 10%, you get **49.6861, 61.5329, 16.3729**, and if you desaturate by 10%, it is **52.9616, 62.9831, 27.2956**.

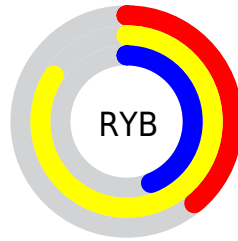
Distribution



Red (80%)

Green (84%)

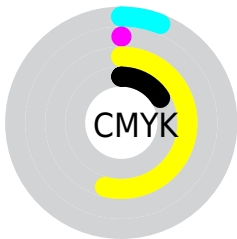
Blue (39%)



Red (39%)

Yellow (84%)

Blue (44%)

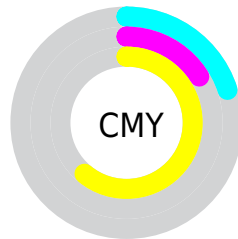


Cyan (6%)

Magenta (0%)

Yellow (54%)

Black (16%)



Cyan (20%)

Magenta (16%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1812, 62.1982, 21.1123 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 51.1812, 62.1982, 21.1123 by changing the saturation by 10% instead.

■ 51.1812, 62.1982,
21.1123

■ 51.1812, 62.1982,
21.1123

381.6434,
432.6537, 270.6753

■ 36.5745, 45.1929,
13.0141

■ 91.1040, 108.0119,
46.1576

■ 25.0504, 31.6094,
7.3074

■ 117.1507,
137.5891, 63.9417

■ 16.2435, 21.0633,
3.5737

■ 147.7415,
172.1257, 85.7915

■ 9.7886, 13.1703,
1.3945

■ 183.2416,
212.0061, 112.1256

■ 5.3202, 7.5459,
0.1374

224.0166,
257.6147, 143.3625

■ 2.4730, 3.8058,
0.0000

270.4316,

■ 0.8817, 1.5655,

309.3359, 179.9207

0.0000

322.8521,
367.5541, 222.2188

■ 0.0000, 0.3342,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1812, 62.1982,
21.1123

■ 51.1812, 62.1982,
21.1123

■ 49.6861, 61.5329,
16.3729

■ 52.9616, 62.9831,
27.2956

■ 48.4495, 60.9698,
12.9564


■ 55.0427, 63.8871,
35.0233


■ 47.4473, 60.5013,
10.7288


■ 57.4440, 64.9201,
44.3912

■ 46.6481, 60.1152,
9.5256


■ 60.1821, 66.0889,
55.4865


 46.2314, 59.9087,
9.1269

 63.2723, 67.3996,
68.3899

 66.7290, 68.8579,
83.1775

 70.5659, 70.4693,
99.9205

 72.1101, 71.1646,
104.5433

 72.7914, 71.5158,
104.5752

Harmonies

Analogous

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



63.4321, 62.1982, 19.6962



51.1812, 62.1982, 21.1123



42.3797, 62.1982, 32.1176

Triad

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



51.1812, 62.1982, 21.1123



44.8338, 62.1982, 136.2951



86.4338, 62.1982, 80.5219

Complementary

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



51.1812, 62.1982, 21.1123



23.2852, 17.2110, 66.3884

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.



79.7673, 62.1982, 123.0256



51.1812, 62.1982, 21.1123



55.0032, 62.1982, 162.0228

Square

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



51.1812, 62.1982, 21.1123



39.0934, 62.1982, 94.4570



67.8346, 62.1982, 156.4504



85.0239, 62.1982, 46.5794

Rectangle

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



51.1812, 62.1982, 21.1123



39.0896, 62.1982, 46.6104



67.8346, 62.1982, 156.4504



85.0304, 62.1982, 94.4073

Sweetspot

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



51.1827, 62.2010, 21.1136



87.6267, 96.8532, 77.8284



35.9195, 26.6313, 15.0524



18.5725, 20.6525, 15.9119



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.



51.1827, 62.2010, 21.1136



72.7819, 90.3960, 23.1185



38.3025, 55.5611, 20.5108



13.3403, 14.4516, 13.2470



27.7032, 35.8579, 5.4611



1.7082, 2.1820, 0.3311

Inverse Universe

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



23.2852, 17.2110, 66.3884



27.6352, 17.4954, 96.5282



33.0061, 22.2222, 66.8433



11.8607, 12.0696, 15.6421



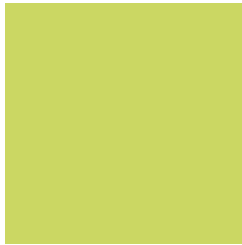
7.5799, 3.0601, 38.6443



0.4987, 0.2059, 2.3328

Previews

White Background



This preview shows how the XYZ color 51.1812, 62.1982, 21.1123 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 51.1812, 62.1982, 21.1123 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 51.1812, 62.1982, 21.1123

Background



This preview shows how black text looks on a background with the XYZ color 51.1812, 62.1982, 21.1123.



This preview shows how white text looks on a background with the XYZ color 51.1812, 62.1982,

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

51.1812, 62.1982, 21.1123

Protanopia

56.7372, 62.1282, 20.0679

Deuteranopia

63.3380, 62.0028, 21.7262



Tritanopia

62.0943, 61.9019, 75.0052

Trichromacy



Original Color

51.1812, 62.1982, 21.1123

Protanomaly

54.7195, 62.1719, 20.4256

Deuteranomaly

58.2521, 61.8072, 21.4301

Tritanomaly

56.9147, 61.5697, 49.4419

Monochromacy



Original Color

51.1812, 62.1982, 21.1123

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.9339, 58.0737, 42.6546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1812, 62.1982, 21.1123 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(203, 215, 99)` looks like.

```
.text, #text, p{  
    color:rgb(203, 215, 99)  
}
```

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(203, 215, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 215, 99) }
```

Border

The CSS property to change the border of an element to XYZ 51.1812, 62.1982, 21.1123 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(203, 215, 99) }
```


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

```
.border{ border-color:rgb(203, 215, 99) }
```

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

Here you see how a box with a 4 pixel rgb(203, 215, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 215, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 215, 99);  
box-shadow:4px 4px 4px 4px rgb(203, 215,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1812, 62.1982, 21.1123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 215, 99) }
```

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

```
.background{ background-color: rgb(203,  
215, 99) }
```

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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