

Converting Colors

XYZ(51.7798, 63.3687, 30.6109)

Have a look what the booklet for
XYZ(51.7798, 63.3687, 30.6109)
contains.

XYZ(51.8656, 63.4903, 30.6403)	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(51.8656, 63.4903,
30.6403)**

Conversions

Conversions Part 1

Format	Color
Hex	C4DA82
RGB	196, 218, 130
RGB Percent	77%, 85%, 51%
CMY	0.2314, 0.1451, 0.4902
CMYK	0.10, 0.00, 0.40, 0.15
HSL	75°, 54%, 68%
HSV	75°, 40%, 85%
XYZ	51.8656, 63.4903, 30.6403
YIQ	201.3900, 15.1360, -32.0320

Conversions

Conversions Part 2

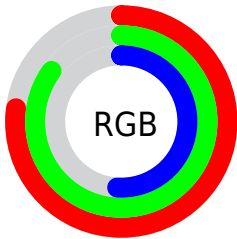
Format	Color
RYB	130, 218, 152
Decimal	12900994
CIELab	83.70, -21.15, 40.83
CIELCh	84, 45.989, 117.386
Yxy	63.4903, 0.3553, 0.4349
Android (android.graphics.Color)	4291091074 (0xFFC4DA82)
YUV	201.3900, -35.1953, -4.7270
Hunter-Lab	79.6808, -23.2527, 32.9773

Details

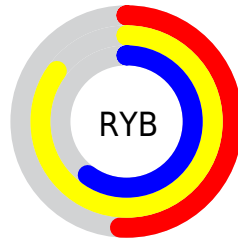
The XYZ color **51.8656, 63.4903, 30.6403** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.5889, 27.7043, 69.9105**, and the grayscale version is **55.9660, 58.8806, 64.1209**.

A 20% lighter version of the original color is **85.2848, 96.0515, 59.3922**, and **25.4930, 32.4216, 12.3115** is the 20% darker color. If you saturate the color by 10%, you get **49.1629, 62.2506, 23.6682**, and if you desaturate by 10%, it is **54.9331, 64.8863, 39.2502**.

Distribution



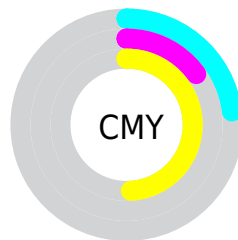
- Red (77%)
- Green (85%)
- Blue (51%)



- Red (51%)
- Yellow (85%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (40%)
- Black (15%)





- Cyan (23%)
- Magenta (15%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8656, 63.4903, 30.6403 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 51.8656, 63.4903, 30.6403 by changing the saturation by 10% instead.


 51.8656, 63.4903,
30.6403


 51.8656, 63.4903,
30.6403


384.2500,
437.3467, 319.1775


 37.1218, 46.2380,
20.0689


 92.1084, 109.8766,
61.7462

 25.4759, 32.4337,
12.2606


 118.3381,
139.7793, 83.1179

 16.5626, 21.6929,
6.7967


 149.1272,
174.6676, 108.9267

 10.0165, 13.6315,
3.2588

184.8409,
214.9259, 139.5913

 5.4722, 7.8648,
1.2282

225.8447,
260.9385, 175.5301

 2.5645, 4.0085,
0.0019

272.5039,

 0.9279, 1.6783,

313.0900, 217.1617

0.0000

325.1839,
371.7645, 264.9046

■ 0.0000, 0.4096,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8656, 63.4903,
30.6403

■ 51.8656, 63.4903,
30.6403

■ 49.1629, 62.2506,
23.6682

■ 54.9331, 64.8863,
39.2502

■ 46.7998, 61.1504,
18.2257


■ 58.3791, 66.4375,
49.5888


■ 44.7555, 60.1835,
14.1983


■ 62.2224, 68.1537,
61.7451


■ 43.0042, 59.3396,
11.4535


■ 66.4790, 70.0414,
75.8008


 41.5154, 58.6064,
9.8335


 71.1640, 72.1066,
91.8325

 40.2781, 57.9842,
9.0692

 75.3427, 73.9756,
104.9155

 77.1067, 74.8850,
104.9980

 78.9258, 75.8227,
105.0832

 80.8005, 76.7892,
105.1709

Harmonies

Analogous

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



61.2336, 63.4903, 27.1968



51.8656, 63.4903, 30.6403



45.4536, 63.4903, 43.3299

Triad

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



51.8656, 63.4903, 30.6403



50.4943, 63.4903, 127.1892



81.8419, 63.4903, 71.6919

Complementary

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



51.8656, 63.4903, 30.6403



33.5889, 27.7043, 69.9105

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.



78.1796, 63.4903, 103.5549



51.8656, 63.4903, 30.6403



59.4663, 63.4903, 140.6903

Square

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



51.8656, 63.4903, 30.6403



44.7260, 63.4903, 97.9216



69.7030, 63.4903, 131.0271



79.2345, 63.4903, 46.6202

Rectangle

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



51.8656, 63.4903, 30.6403



43.3452, 63.4903, 57.7072



69.7030, 63.4903, 131.0271



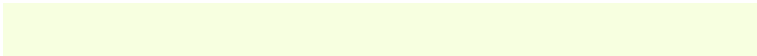
81.2948, 63.4903, 81.9690

Sweetspot

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



51.8672, 63.4931, 30.6416



87.7496, 96.7611, 84.8576



44.1732, 38.9755, 26.3148



18.6232, 20.6401, 17.6545



0.0000, 0.0000, 0.0000



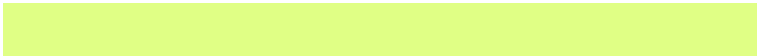
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8672, 63.4931, 30.6416



70.8286, 89.1127, 35.5131



42.0517, 58.4331, 30.1823



13.8277, 15.0914, 13.9097



24.2326, 34.7898, 5.4379



1.6468, 2.2935, 0.3559

Inverse Universe

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



33.5889, 27.7043, 69.9105



41.5294, 31.6941, 98.5365



43.4047, 32.7645, 70.3699



12.6423, 12.7737, 16.4514



8.5930, 3.5540, 39.9715



0.6356, 0.2709, 2.5932

Previews

White Background



This preview shows how the XYZ color 51.8656, 63.4903, 30.6403 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 51.8656, 63.4903, 30.6403 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 51.8656, 63.4903, 30.6403

Background



This preview shows how black text looks on a background with the XYZ color 51.8656, 63.4903, 30.6403.



This preview shows how white text looks on a background with the XYZ color 51.8656, 63.4903,

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

51.8656, 63.4903, 30.6403

Protanopia

58.3167, 63.1121, 28.8469

Deuteranopia

64.5102, 63.0773, 31.3293



Tritanopia

61.6445, 63.3633, 78.7934

Trichromacy



Original Color

51.8656, 63.4903, 30.6403

Protanomaly

55.6932, 63.2182, 29.3457

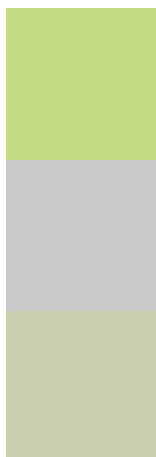
Deuteranomaly

59.2599, 62.8250, 31.1934

Tritanomaly

57.3814, 63.1000, 57.2993

Monochromacy



Original Color

51.8656, 63.4903, 30.6403

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.6039, 59.8629, 49.2869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8656, 63.4903, 30.6403 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(196, 218, 130)` looks like.

```
.text, #text, p{  
    color:rgb(196, 218, 130)  
}
```

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(196, 218, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 218, 130) }
```

Border

The CSS property to change the border of an element to XYZ 51.8656, 63.4903, 30.6403 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(196, 218, 130) }
```


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

```
.border{ border-color:rgb(196, 218, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 218, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 218, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 218, 130);  
box-shadow:4px 4px 4px 4px rgb(196, 218,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8656, 63.4903, 30.6403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 218, 130) }
```

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

```
.background{ background-color: rgb(196,  
218, 130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor