

# Converting Colors

XYZ(52.3297, 60.7758, 61.1974)

Have a look what the booklet for  
XYZ(52.3297, 60.7758, 61.1974)  
contains.

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# Color

**XYZ(52.3297, 60.7758,  
61.1974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4D4C4
RGB	180, 212, 196
RGB Percent	71%, 83%, 77%
CMY	0.2941, 0.1686, 0.2314
CMYK	0.15, 0.00, 0.08, 0.17
HSL	150°, 27%, 77%
HSV	150°, 15%, 83%
XYZ	52.3297, 60.7758, 61.1974
YIQ	200.6080, -13.9360, -11.7600

# Conversions

## Conversions Part 2

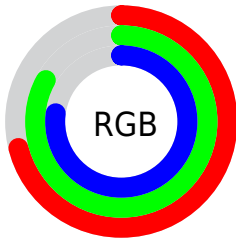
Format	Color
<b>RYB</b>	180, 201, 212
Decimal	11850948
CIELab	82.26, -13.72, 4.36
CIELCh	82, 14.400, 162.383
Yxy	60.7758, 0.3002, 0.3487
Android (android.graphics.Color)	4290041028 (0xFFB4D4C4)
YUV	200.6080, -2.2717, -18.0732
Hunter-Lab	77.9588, -16.6102, 8.0288

# Details

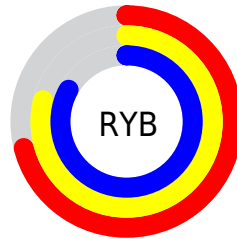
The XYZ color **52.3297, 60.7758, 61.1974** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4386, 50.6267, 59.1827**, and the grayscale version is **55.2959, 58.1756, 63.3533**.

A 20% lighter version of the original color is **88.0817, 96.4447, 106.9018**, and **25.6919, 30.5790, 30.1394** is the 20% darker color. If you saturate the color by 10%, you get **46.6026, 57.9596, 54.8520**, and if you desaturate by 10%, it is **58.9004, 64.0204, 68.0300**.

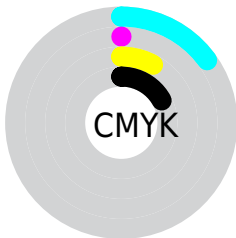
# Distribution



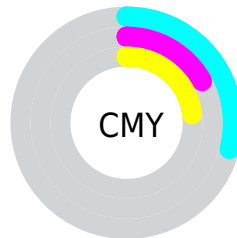
- Red (71%)
- Green (83%)
- Blue (77%)



- Red (71%)
- Yellow (79%)
- Blue (83%)



- Cyan (15%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)



- Cyan (29%)
- Magenta (17%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3297, 60.7758, 61.1974 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 52.3297, 60.7758, 61.1974 by changing the saturation by 10% instead.



■ 52.3297, 60.7758,  
61.1974

■ 52.3297, 60.7758,  
61.1974

386.0112,  
427.4515, 446.9240

■ 37.4933, 44.0443,  
43.9529

■ 92.7886, 105.9542,  
108.1250

■ 25.7651, 30.7053,  
30.2966

119.1419,  
135.1699, 138.6452

■ 16.7797, 20.3745,  
19.8098

150.0647,  
169.3158, 174.4277

■ 10.1719, 12.6676,  
12.0742

185.9226,  
208.7762, 215.8911

■ 5.5762, 7.2001,  
6.6711

227.0808,  
253.9356, 263.4539

■ 2.6273, 3.5875,  
3.1819

273.9048,

■ 0.9599, 1.4456,

305.1783, 317.5346

1.1883

326.7598,  
362.8888, 378.5518

■ 0.0000, 0.2500,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.3297, 60.7758,  
61.1974

■ 52.3297, 60.7758,  
61.1974

■ 46.6026, 57.9596,  
54.8520

■ 58.9004, 64.0204,  
68.0300

■ 41.6781, 55.5458,  
48.9788

■ 66.3433, 67.7029,  
75.3562

■ 37.5192, 53.5173,  
43.5681

■ 74.6918, 71.8421,  
83.1874

■ 34.0839, 51.8525,  
38.6081

■ 80.2771, 74.5462,  
91.3602

■ 31.3262, 50.5281,  
34.0866

■ 81.8847, 75.1893,  
99.8261

■ 29.1942, 49.5175,  
29.9906

■ 82.8346, 75.5693,  
104.8282

■ 27.6279, 48.7900,  
26.3064

■ 26.5546, 48.3083,  
23.0192

■ 26.1457, 48.1297,  
21.5455

# Harmonies

## Analogous

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



53.8841, 60.7758, 54.4759



52.3297, 60.7758, 61.1974



52.1994, 60.7758, 69.8595

# Triad

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



52.3297, 60.7758, 61.1974



59.0383, 60.7758, 84.0633



62.2282, 60.7758, 55.4388

# Complementary

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



52.3297, 60.7758, 61.1974



53.4386, 50.6267, 59.1827

# 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.



63.7140, 60.7758, 62.6214



52.3297, 60.7758, 61.1974



61.8291, 60.7758, 79.4384

# Square

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



52.3297, 60.7758, 61.1974



56.0005, 60.7758, 83.5962



63.5654, 60.7758, 71.4144



59.5673, 60.7758, 51.3588



# Rectangle

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



52.3297, 60.7758, 61.1974



52.9311, 60.7758, 75.6299



63.5654, 60.7758, 71.4144



62.8858, 60.7758, 57.5420

# Sweetspot

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



52.3314, 60.7784, 61.1987



89.5042, 97.2577, 103.3709



54.6878, 62.1925, 52.3029



18.9966, 20.7376, 21.9626



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

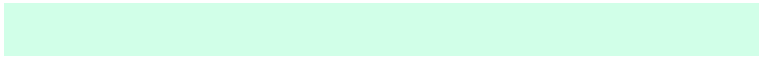


# Same Dimension

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



52.3314, 60.7784, 61.1987



76.6551, 90.9188, 89.8885



54.1845, 61.5196, 70.9568



12.5188, 13.9985, 14.5462



16.1909, 29.7317, 13.5669



1.0183, 1.8100, 1.0383



# Inverse Universe

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



53.4386, 50.6267, 59.1827



78.6379, 72.7392, 86.2782



51.7671, 49.9581, 50.3808



12.6796, 12.5234, 14.2533



18.4189, 9.3039, 9.5099

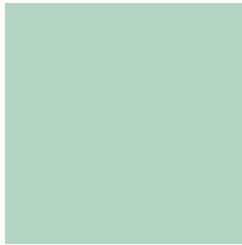


1.1527, 0.5779, 0.7936



# Previews

## White Background



This preview shows how the XYZ color 52.3297, 60.7758, 61.1974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

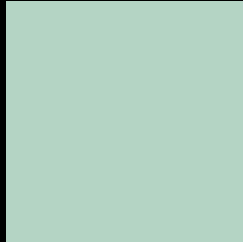
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3297, 60.7758, 61.1974 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

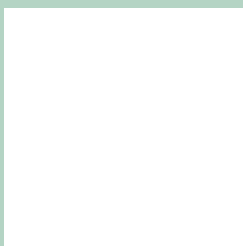
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.3297, 60.7758, 61.1974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3297, 60.7758, 61.1974.



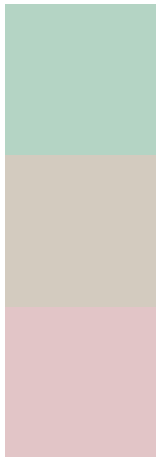
This preview shows how white text looks on a background with the XYZ color 52.3297, 60.7758,



# 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

52.3297, 60.7758, 61.1974

### Protanopia

57.6239, 60.3223, 57.8965

### Deuteranopia

61.6391, 60.2248, 62.4086



## Tritanopia

56.0180, 60.8079, 79.3056

# Trichromacy



## Original Color

52.3297, 60.7758, 61.1974

## Protanomaly

55.5164, 60.2722, 59.1598

## Deuteranomaly

57.6081, 59.8736, 61.9466

## Tritanomaly

54.4665, 60.5232, 72.4298

# Monochromacy



## Original Color

52.3297, 60.7758, 61.1974

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

54.1324, 59.1236, 62.5917

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3297, 60.7758, 61.1974 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(180, 212, 196)` looks like.

```
.text, #text, p{  
    color:rgb(180, 212, 196)  
}
```

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(180, 212, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 212, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3297, 60.7758, 61.1974 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(180, 212, 196) }
```



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

```
.border{ border-color:rgb(180, 212, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 212, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 212, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 212, 196);  
box-shadow:4px 4px 4px 4px rgb(180, 212,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3297, 60.7758, 61.1974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 212, 196) }
```

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

```
.background{ background-color: rgb(180,  
212, 196) }
```

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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