

Converting Colors

XYZ(51.6532, 61.7808, 56.9764)

Have a look what the booklet for
XYZ(51.6532, 61.7808, 56.9764)
contains.

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Color

**XYZ(51.5090, 61.5788,
56.7480)**

Conversions

Conversions Part 1

Format	Color
Hex	B1D7BC
RGB	177, 215, 188
RGB Percent	69%, 84%, 74%
CMY	0.3059, 0.1568, 0.2627
CMYK	0.18, 0.00, 0.13, 0.16
HSL	137°, 32%, 77%
HSV	137°, 18%, 84%
XYZ	51.5090, 61.5788, 56.7480
YIQ	200.5600, -13.9810, -16.4530

Conversions

Conversions Part 2

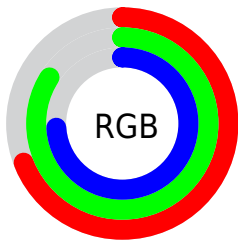
Format	Color
RYB	177, 206, 215
Decimal	11655100
CIELab	82.69, -17.74, 9.20
CIELCh	83, 19.981, 152.577
Yxy	61.5788, 0.3033, 0.3626
Android (android.graphics.Color)	4289845180 (0xFFB1D7BC)
YUV	200.5600, -6.1921, -20.6621
Hunter-Lab	78.4722, -20.1592, 12.0543

Details

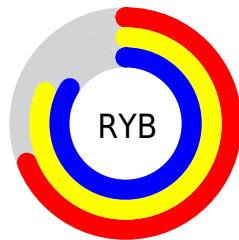
The XYZ color **51.5090, 61.5788, 56.7480** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.6477, 50.2525, 63.9490**, and the grayscale version is **55.2897, 58.1691, 63.3461**.

A 20% lighter version of the original color is **85.6934, 95.3753, 99.4807**, and **25.2562, 31.1760, 27.6081** is the 20% darker color. If you saturate the color by 10%, you get **45.4317, 58.6279, 48.3174**, and if you desaturate by 10%, it is **58.5356, 65.0024, 66.1358**.

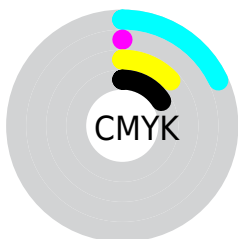
Distribution



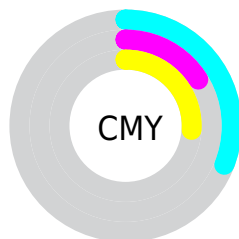
- Red (69%)
- Green (84%)
- Blue (74%)



- Red (69%)
- Yellow (81%)
- Blue (84%)



- Cyan (18%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)



- Cyan (31%)
- Magenta (16%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5090, 61.5788, 56.7480 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 51.5090, 61.5788, 56.7480 by changing the saturation by 10% instead.

■ 51.5090, 61.5788,
56.7480

■ 51.5090, 61.5788,
56.7480

382.8933,
430.3930, 429.9716

■ 36.8365, 44.6924,
40.3949

■ 91.5852, 107.1165,
101.5941

■ 25.2541, 31.2152,
27.5305

117.7197,
136.5367, 130.9242

■ 16.3962, 20.7628,
17.7361

148.4056,
170.9036, 165.4170

■ 9.8975, 12.9507,
10.5932

184.0082,
210.6017, 205.4912

■ 5.3928, 7.3946,
5.6833

224.8930,
256.0153, 251.5652

■ 2.5166, 3.7101,
2.5878

271.4251,

■ 0.9037, 1.5128,

307.5287, 304.0576

0.8862

323.9701,
365.5265, 363.3869

■ 0.0000, 0.2977,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.5090, 61.5788,
56.7480

■ 51.5090, 61.5788,
56.7480

■ 45.4317, 58.6279,
48.3174

■ 58.5356, 65.0024,
66.1358

■ 40.2573, 56.1212,
40.8096

■ 66.5453, 68.9103,
76.5054

■ 35.9428, 54.0390,
34.1945

■ 75.5764, 73.3235,
87.8856

■ 32.4398, 52.3568,
28.4383

■ 82.6576, 76.7096,
100.1624

■ 29.6947, 51.0481,
23.5056

■ 83.5916, 77.0832,
105.0805

■ 27.6474, 50.0823,
19.3580

■ 26.2280, 49.4244,
15.9543

■ 25.3412, 49.0263,
13.2485

■ 25.1775, 48.9536,
12.7131

Harmonies

Analogous

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



54.1994, 61.5788, 49.0493



51.5090, 61.5788, 56.7480



50.6701, 61.5788, 68.1164

Triad

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



51.5090, 61.5788, 56.7480



58.9004, 61.5788, 93.5217



65.7575, 61.5788, 55.1181

Complementary

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



51.5090, 61.5788, 56.7480



54.6477, 50.2525, 63.9490

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.



67.1607, 61.5788, 65.9925



51.5090, 61.5788, 56.7480



63.0828, 61.5788, 88.9876

Square

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



51.5090, 61.5788, 56.7480



54.8119, 61.5788, 90.2763



66.1591, 61.5788, 78.5264



62.4101, 61.5788, 48.1921

Rectangle

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



51.5090, 61.5788, 56.7480



51.2388, 61.5788, 76.5322



66.1591, 61.5788, 78.5264



66.4794, 61.5788, 58.3831

Sweetspot

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



51.5107, 61.5814, 56.7494



89.0892, 97.0917, 101.1860



57.2044, 64.6485, 51.0592



18.8959, 20.6973, 21.4323



0.0000, 0.0000, 0.0000



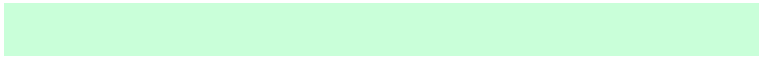
20.3446, 21.4041, 23.3091

Same Dimension

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



51.5107, 61.5814, 56.7494



72.4865, 89.0071, 78.9713



53.6679, 62.4443, 68.1089



12.4088, 13.9545, 13.9671



15.0986, 29.2948, 7.8148



0.9464, 1.7812, 0.6596

Inverse Universe

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



54.6477, 50.2525, 63.9490



77.8857, 69.5050, 91.3598



52.5300, 49.4054, 52.7970



12.7927, 12.5686, 14.8484



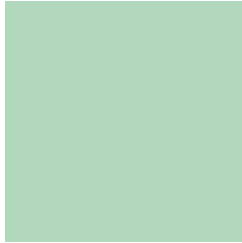
20.2375, 10.0313, 19.0867



1.2557, 0.6191, 1.3360

Previews

White Background



This preview shows how the XYZ color 51.5090, 61.5788, 56.7480 looks on a white background.

Color Contrast Check

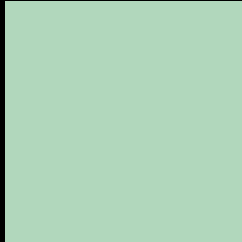
Large Text (above 18pt) WCAG AA × Fail

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 51.5090, 61.5788, 56.7480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

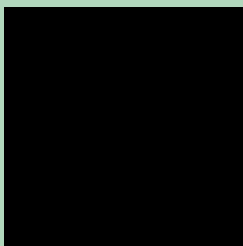
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

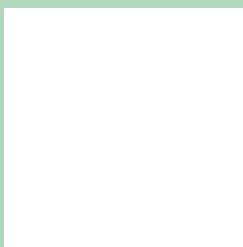
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.5090, 61.5788, 56.7480

Background



This preview shows how black text looks on a background with the XYZ color 51.5090, 61.5788, 56.7480.

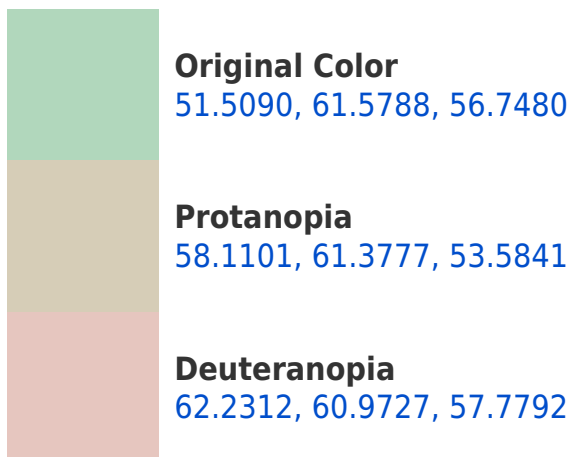


This preview shows how white text looks on a background with the XYZ color 51.5090, 61.5788,

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





Tritanopia

56.5412, 61.7745, 80.8951

Trichromacy



Original Color

51.5090, 61.5788, 56.7480

Protanomaly

55.6448, 61.5212, 54.8409

Deuteranomaly

57.7511, 60.7523, 57.3978

Tritanomaly

54.4832, 61.6642, 71.3182

Monochromacy



Original Color

51.5090, 61.5788, 56.7480

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.7733, 59.3346, 60.8431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5090, 61.5788, 56.7480 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(177, 215, 188)` looks like.

```
.text, #text, p{  
    color:rgb(177, 215, 188)  
}
```

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(177, 215, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 215, 188) }
```

Border

The CSS property to change the border of an element to XYZ 51.5090, 61.5788, 56.7480 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(177, 215, 188) }
```


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

```
.border{ border-color:rgb(177, 215, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 215, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 215, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 215, 188);  
box-shadow:4px 4px 4px 4px rgb(177, 215,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5090, 61.5788, 56.7480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 215, 188) }
```

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

```
.background{ background-color: rgb(177,  
215, 188) }
```

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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