

Converting Colors

XYZ(47.8294, 54.9864, 60.8788)

Have a look what the booklet for
XYZ(47.8294, 54.9864, 60.8788)
contains.

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Color

**XYZ(47.7761, 54.8183,
60.8862)**

Conversions

Conversions Part 1

Format	Color
Hex	AACAC5
RGB	170, 202, 197
RGB Percent	67%, 79%, 77%
CMY	0.3333, 0.2078, 0.2274
CMYK	0.16, 0.00, 0.02, 0.21
HSL	171°, 23%, 73%
HSV	171°, 16%, 79%
XYZ	47.7761, 54.8183, 60.8862
YIQ	191.8620, -17.4670, -8.3390

Conversions

Conversions Part 2

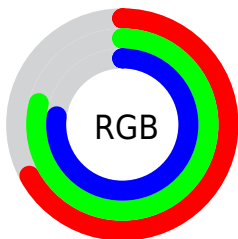
Format	Color
RYB	170, 187, 202
Decimal	11193029
CIELab	78.94, -11.66, -1.09
CIELCh	79, 11.708, 185.333
Yxy	54.8183, 0.2922, 0.3353
Android (android.graphics.Color)	4289383109 (0xFFAACAC5)
YUV	191.8620, 2.5330, -19.1730
Hunter-Lab	74.0394, -14.3865, 3.0705

Details

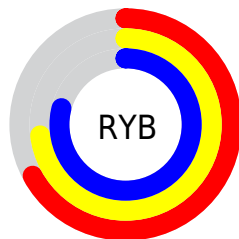
The XYZ color **47.7761, 54.8183, 60.8862** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4716, 44.4026, 46.6810**, and the grayscale version is **50.0166, 52.6214, 57.3047**.

A 20% lighter version of the original color is **85.0134, 94.8445, 107.5921**, and **22.8839, 26.9449, 29.9814** is the 20% darker color. If you saturate the color by 10%, you get **43.3827, 52.5963, 58.8124**, and if you desaturate by 10%, it is **52.8512, 57.3938, 63.0338**.

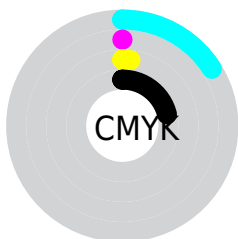
Distribution



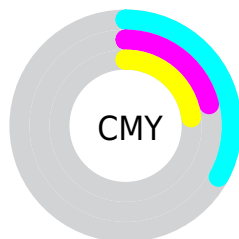
- Red (67%)
- Green (79%)
- Blue (77%)



- Red (67%)
- Yellow (73%)
- Blue (79%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)





- Cyan (33%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7761, 54.8183, 60.8862 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 47.7761, 54.8183, 60.8862 by changing the saturation by 10% instead.


 47.7761, 54.8183,
60.8862

 47.7761, 54.8183,
60.8862


368.5013,
405.2228, 445.7516

 33.8601, 39.2563,
43.7034


 86.0827, 97.2747,
107.6701

 22.9485, 26.9591,
30.1019


111.2040,
124.9378, 138.1082

 14.6760, 17.5425,
19.6632


140.7911,
157.4035, 173.8018

 8.6771, 10.6221,
11.9688

175.2094,
195.0560, 215.1695

 4.5866, 5.8133,
6.6002

214.8242,
238.2798, 262.6298

 2.0391, 2.7319,
3.1387

260.0009,

 0.6558, 0.9934,

287.4592, 316.6012

1.1659

311.1048,
342.9788, 377.5023

■ 0.0000, 0.0000,
0.0000

■ 47.7761, 54.8183,
60.8862

■ 47.7761, 54.8183,
60.8862

■ 43.3827, 52.5963,
58.8124

■ 52.8512, 57.3938,
63.0338

■ 39.6357, 50.7051,
56.8070

■ 58.6320, 60.3308,
65.2530

■ 36.5038, 49.1302,
54.8696

■ 65.1469, 63.6454,
67.5467

■ 33.9511, 47.8530,
52.9981

■ 72.4216, 67.3507,
69.9162

■ 31.9380, 46.8532,
51.1904

■ 74.3452, 68.2965,
72.0758

■ 30.4198, 46.1076,
49.4443

■ 74.7496, 68.4583,
74.2050

■ 29.3446, 45.5895,
47.7570

■ 75.1618, 68.6232,
76.3756

■ 28.6479, 45.2658,
46.1253

■ 75.5818, 68.7912,
78.5877

■ 28.4175, 45.1615,
45.4608

■ 76.0098, 68.9624,
80.8416

Harmonies

Analogous

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



48.1439, 54.8183, 54.5007



47.7761, 54.8183, 60.8862



48.5393, 54.8183, 67.4055

Triad

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



47.7761, 54.8183, 60.8862



54.7325, 54.8183, 70.7578



53.9919, 54.8183, 48.7890

Complementary

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



47.7761, 54.8183, 60.8862



46.4716, 44.4026, 46.6810

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.



55.8373, 54.8183, 52.5829



47.7761, 54.8183, 60.8862



56.2737, 54.8183, 65.1941

Square

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



47.7761, 54.8183, 60.8862



52.5199, 54.8183, 73.3697



56.6839, 54.8183, 58.5052



51.6886, 54.8183, 47.8222

Rectangle

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



47.7761, 54.8183, 60.8862



49.6006, 54.8183, 70.8536



56.6839, 54.8183, 58.5052



54.6885, 54.8183, 49.7614

Sweetspot

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



47.7777, 54.8206, 60.8874



90.1945, 97.5338, 107.0063



46.1320, 54.2982, 46.0803



19.1646, 20.8048, 22.8473



0.0000, 0.0000, 0.0000



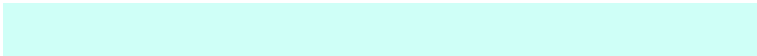
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7777, 54.8206, 60.8874



78.2209, 91.4624, 101.8720



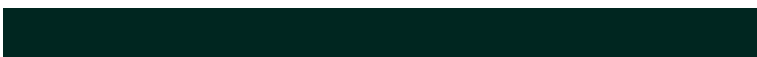
45.9434, 50.2194, 63.1516



11.4650, 12.6957, 14.0060



18.3125, 29.0703, 29.3946



0.9655, 1.5080, 1.6260

Inverse Universe

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



46.4716, 44.4026, 46.6810



75.5974, 70.5293, 73.3305



48.0708, 48.3729, 44.8344



11.2826, 11.2418, 12.0230



15.8590, 8.1542, 1.7101



0.8413, 0.4299, 0.2104

Previews

White Background



This preview shows how the XYZ color 47.7761, 54.8183, 60.8862 looks on a white background.

Color Contrast Check

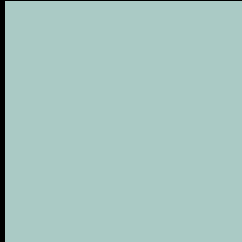
Large Text (above 18pt) WCAG AA × Fail

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 47.7761, 54.8183, 60.8862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

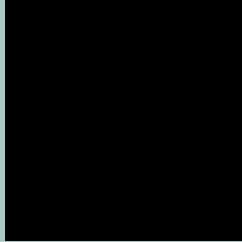
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

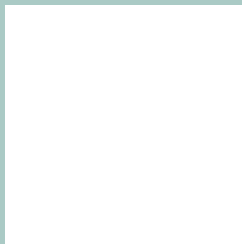
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7761, 54.8183, 60.8862

Background



This preview shows how black text looks on a background with the XYZ color 47.7761, 54.8183, 60.8862.

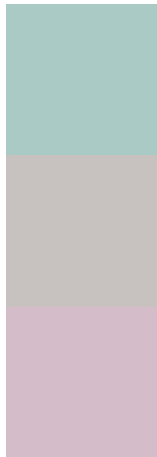


This preview shows how white text looks on a background with the XYZ color 47.7761, 54.8183,

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

47.7761, 54.8183, 60.8862

Protanopia

52.3594, 54.5315, 57.6352

Deuteranopia

55.7743, 54.5624, 62.2355



Tritanopia

49.9227, 54.6374, 72.2048

Trichromacy



Original Color

47.7761, 54.8183, 60.8862

Protanomaly

50.4429, 54.5189, 58.9035

Deuteranomaly

52.6265, 54.5774, 61.7936

Tritanomaly

49.0527, 54.6333, 67.6344

Monochromacy



Original Color

47.7761, 54.8183, 60.8862

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.2447, 53.5652, 58.7826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7761, 54.8183, 60.8862 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(170, 202, 197)` looks like.

```
.text, #text, p{  
    color:rgb(170, 202, 197)  
}
```

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(170, 202, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 202, 197) }
```

Border

The CSS property to change the border of an element to XYZ 47.7761, 54.8183, 60.8862 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(170, 202, 197) }
```


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

```
.border{ border-color:rgb(170, 202, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 202, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 202, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 202, 197);  
box-shadow:4px 4px 4px 4px rgb(170, 202,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7761, 54.8183, 60.8862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 202, 197) }
```

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

```
.background{ background-color: rgb(170,  
202, 197) }
```

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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