

Converting Colors

XYZ(21.9762, 27.7036, 48.1313)

Have a look what the booklet for
XYZ(21.9762, 27.7036, 48.1313)
contains.

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Color

**XYZ(21.9863, 27.7710,
47.9176)**

Conversions

Conversions Part 1

Format	Color
Hex	3D9BB5
RGB	61, 155, 181
RGB Percent	24%, 61%, 71%
CMY	0.7608, 0.3921, 0.2902
CMYK	0.66, 0.14, 0.00, 0.29
HSL	193°, 50%, 47%
HSV	193°, 66%, 71%
XYZ	21.9863, 27.7710, 47.9176
YIQ	129.8580, -64.3700, -11.8420

Conversions

Conversions Part 2

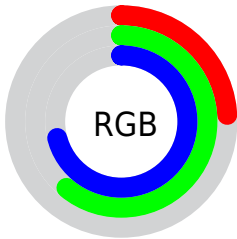
Format	Color
R_{YB}	61, 114, 181
Decimal	4037557
CIE _{Lab}	59.68, -19.28, -21.64
CIE _{LCh}	60, 28.986, 228.303
Yxy	27.7710, 0.2251, 0.2843
Android (android.graphics.Color)	4282227637 (0xFF3D9BB5)
YUV	129.8580, 25.2130, -60.3885
Hunter-Lab	52.6982, -17.7496, -17.0227

Details

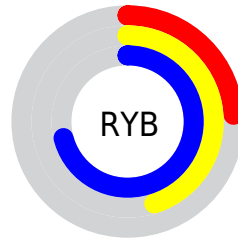
The XYZ color **21.9863, 27.7710, 47.9176** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **23.3074, 16.9781, 6.4645**, and the grayscale version is **21.0990, 22.1978, 24.1734**.

A 20% lighter version of the original color is **46.3587, 56.3452, 88.5531**, and **8.8466, 11.4591, 22.1676** is the 20% darker color. If you saturate the color by 10%, you get **20.4125, 26.0070, 47.6606**, and if you desaturate by 10%, it is **23.9590, 29.7732, 48.2006**.

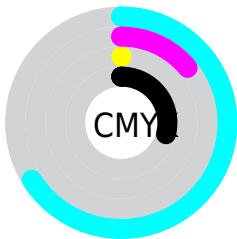
Distribution



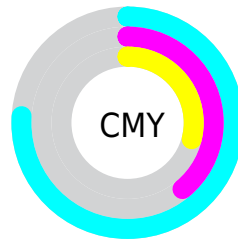
- Red (24%)
- Green (61%)
- Blue (71%)



- Red (24%)
- Yellow (45%)
- Blue (71%)



- Cyan (66%)
- Magenta (14%)
- Yellow (0%)
- Black (29%)



- Cyan (76%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9863, 27.7710, 47.9176 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 21.9863, 27.7710, 47.9176 by changing the saturation by 10% instead.

■ 21.9863, 27.7710,
47.9176

■ 21.9863, 27.7710,
47.9176

255.1084,
291.3710, 394.9647

■ 13.9634, 18.1531,
33.4021

■ 46.2024, 56.1186,
88.4460

■ 8.1767, 11.0600,
22.1610

■ 63.1262, 75.6171,
115.2959

■ 4.2610, 6.1072,
13.7758

■ 83.7478, 99.1780,
147.0945

■ 1.8508, 2.9104,
7.8279

■ 108.4324,
127.1856, 184.2601

■ 0.5480, 1.0851,
3.8989

■ 137.5454,
160.0243, 227.2115

■ 0.0000, 0.0000,
1.5700

171.4522,

■ 0.0000, 0.0000,

198.0785, 276.3670

0.2693

210.5181,
241.7326, 332.1452

■ 0.0000, 0.0000,
0.0000

■ 21.9863, 27.7710,
47.9176

■ 21.9863, 27.7710,
47.9176

■ 20.4125, 26.0070,
47.6606

■ 23.9590, 29.7732,
48.2006

■ 19.1952, 24.4574,
47.4256

■ 26.3622, 32.0286,
48.5093

■ 18.2827, 23.0958,
47.2109

■ 29.2274, 34.5542,
48.8458

■ 17.9815, 22.6181,
47.1346

■ 32.5821, 37.3645,
49.2114

■ 36.4517, 40.4728,
49.6074

■ 40.8599, 43.8916,
50.0350

■ 45.8287, 47.6326,
50.4952

■ 51.3789, 51.7068,
50.9890

■ 57.5303, 56.1246,
51.5175

Harmonies

Analogous

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



20.2630, 27.7710, 37.0178



21.9863, 27.7710, 47.9176



24.9945, 27.7710, 54.5739

Triad

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



21.9863, 27.7710, 47.9176



33.9024, 27.7710, 34.5100



24.2470, 27.7710, 14.8576

Complementary

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



21.9863, 27.7710, 47.9176



23.3074, 16.9781, 6.4645

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.



27.8479, 27.7710, 14.4865



21.9863, 27.7710, 47.9176



33.6551, 27.7710, 24.3409

Square

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



21.9863, 27.7710, 47.9176



32.0054, 27.7710, 45.7204



31.3580, 27.7710, 17.5494



21.4827, 27.7710, 18.7167

Rectangle

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



21.9863, 27.7710, 47.9176



27.4246, 27.7710, 54.8817



31.3580, 27.7710, 17.5494



25.3924, 27.7710, 14.3600

Sweetspot

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



21.9872, 27.7720, 47.9183



62.3704, 70.1708, 88.5516



20.0889, 34.6964, 14.2338



13.0689, 14.8353, 19.0969



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.9872, 27.7720, 47.9183



35.3838, 45.1327, 85.1412



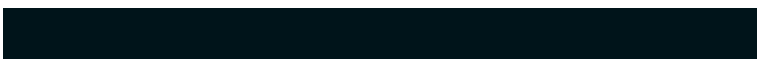
14.5406, 12.8789, 45.4361



8.5833, 9.3128, 10.8515



12.4482, 15.6968, 32.5107



0.4306, 0.5718, 1.0359

Inverse Universe

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



26.6420, 15.5287, 32.6045



44.8728, 23.5130, 53.1748



30.0246, 30.4125, 8.7036



8.7696, 8.6146, 10.2853



16.5179, 8.1247, 18.4193



0.5394, 0.2635, 0.6831

Previews

White Background



This preview shows how the XYZ color 21.9863, 27.7710, 47.9176 looks on a white background.

Color Contrast Check

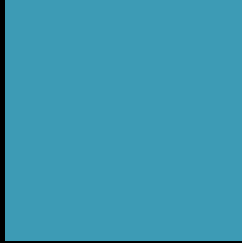
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9863, 27.7710, 47.9176 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 × Fail

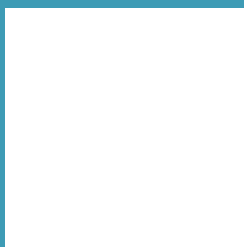
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9863, 27.7710, 47.9176

Background



This preview shows how black text looks on a background with the XYZ color 21.9863, 27.7710, 47.9176.

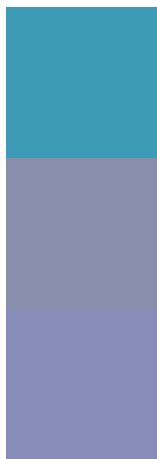


This preview shows how white text looks on a background with the XYZ color 21.9863, 27.7710,

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

21.9863, 27.7710, 47.9176

Protanopia

27.2727, 27.5588, 42.9117

Deuteranopia

28.0215, 27.3678, 49.1530



Tritanopia

20.8882, 27.8284, 42.3007

Trichromacy



Original Color

21.9863, 27.7710, 47.9176

Protanomaly

24.4783, 27.2138, 44.5201

Deuteranomaly

24.8570, 26.8578, 48.6737

Tritanomaly

21.2158, 27.7028, 44.2734

Monochromacy



Original Color

21.9863, 27.7710, 47.9176

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.4831, 23.6384, 31.9169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9863, 27.7710, 47.9176 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(61, 155, 181)` looks like.

```
.text, #text, p{  
    color:rgb(61, 155, 181)  
}
```

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(61, 155, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 155, 181) }
```

Border

The CSS property to change the border of an element to XYZ 21.9863, 27.7710, 47.9176 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(61, 155, 181) }
```


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

```
.border{ border-color:rgb(61, 155, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 155, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 155, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 155, 181);  
box-shadow:4px 4px 4px 4px rgb(61, 155,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9863, 27.7710, 47.9176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 155, 181) }
```

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

```
.background{ background-color: rgb(61, 155,  
181) }
```

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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