

Converting Colors

XYZ(21.8583, 27.7880, 54.7822)

Have a look what the booklet for
XYZ(21.8583, 27.7880, 54.7822)
contains.

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Color

**XYZ(21.8450, 27.7978,
54.6662)**

Conversions

Conversions Part 1

Format	Color
Hex	169CC1
RGB	22, 156, 193
RGB Percent	9%, 61%, 76%
CMY	0.9136, 0.3882, 0.2431
CMYK	0.89, 0.19, 0.00, 0.24
HSL	193°, 80%, 42%
HSV	193°, 89%, 76%
XYZ	21.8450, 27.7978, 54.6662
YIQ	120.1520, -91.7410, -16.9010

Conversions

Conversions Part 2

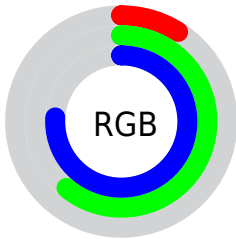
Format	Color
R_{YB}	22, 97, 193
Decimal	1481921
CIE _{Lab}	59.71, -20.04, -28.43
CIE _{LCh}	60, 34.787, 234.815
Yxy	27.7978, 0.2094, 0.2665
Android (android.graphics.Color)	4279672001 (0xFF169CC1)
YUV	120.1520, 35.9141, -86.0793
Hunter-Lab	52.7236, -18.3084, -24.5680

Details

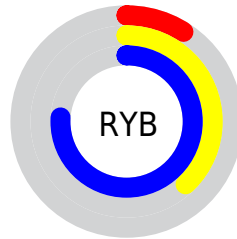
The XYZ color **21.8450, 27.7978, 54.6662** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.7027, 14.5258, 2.3147**, and the grayscale version is **17.8135, 18.7412, 20.4091**.

A 20% lighter version of the original color is **46.1431, 56.3742, 98.8918**, and **9.7118, 11.9672, 26.2241** is the 20% darker color. If you saturate the color by 10%, you get **20.8598, 26.2678, 54.4234**, and if you desaturate by 10%, it is **23.1549, 29.5320, 54.9324**.

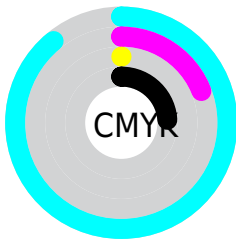
Distribution



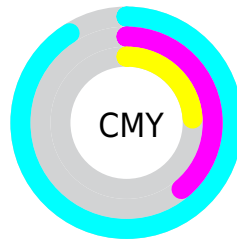
- Red (9%)
- Green (61%)
- Blue (76%)



- Red (9%)
- Yellow (38%)
- Blue (76%)



- Cyan (89%)
- Magenta (19%)
- Yellow (0%)
- Black (24%)



- Cyan (91%)
- Magenta (39%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8450, 27.7978, 54.6662 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 21.8450, 27.7978, 54.6662 by changing the saturation by 10% instead.

■ 21.8450, 27.7978,
54.6662

■ 21.8450, 27.7978,
54.6662

254.3834,
291.4995, 421.8916

■ 13.8590, 18.1733,
38.7377

■ 45.9704, 56.1615,
98.5180

■ 8.1037, 11.0745,
26.2495

■ 62.8406, 75.6694,
127.2783

■ 4.2138, 6.1169,
16.7830

■ 83.4029, 99.2406,
161.1531

■ 1.8238, 2.9163,
9.9195

■ 108.0226,
127.2595, 200.5608

■ 0.5319, 1.0882,
5.2407

■ 137.0652,
160.1104, 245.9199

■ 0.0000, 0.0000,
2.3280

170.8959,

■ 0.0000, 0.0000,

198.1778, 297.6491

0.7468

209.8802,
241.8460, 356.1668

■ 0.0000, 0.0000,
0.0000

■ 21.8450, 27.7978,
54.6662

■ 21.8450, 27.7978,
54.6662

■ 20.8598, 26.2678,
54.4234

■ 23.1549, 29.5320,
54.9324

■ 20.7304, 26.0597,
54.3900

■ 24.8662, 31.5087,
55.2238

■ 27.0285, 33.7543,
55.5433

■ 29.6834, 36.2908,
55.8929

■ 32.8676, 39.1372,
56.2745

■ 36.6141, 42.3110,
56.6897

■ 40.9532, 45.8281,
57.1398

■ 45.9130, 49.7033,
57.6264

■ 51.5197, 53.9505,
58.1507

Harmonies

Analogous

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



19.4695, 27.7978, 41.6018



21.8450, 27.7978, 54.6662



25.6647, 27.7978, 61.3305

Triad

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



21.8450, 27.7978, 54.6662



35.7613, 27.7978, 32.5071



23.0310, 27.7978, 13.1869

Complementary

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



21.8450, 27.7978, 54.6662



23.7027, 14.5258, 2.3147

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.



27.1920, 27.7978, 11.9973



21.8450, 27.7978, 54.6662



34.8567, 27.7978, 21.2044

Square

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



21.8450, 27.7978, 54.6662



33.9461, 27.7978, 46.4624



31.5951, 27.7978, 14.4841



20.0992, 27.7978, 18.3546

Rectangle

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



21.8450, 27.7978, 54.6662



28.6410, 27.7978, 60.2077



31.5951, 27.7978, 14.4841



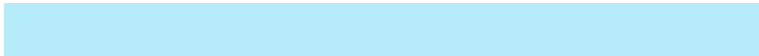
24.3187, 27.7978, 12.3821

Sweetspot

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



21.8459, 27.7988, 54.6669



66.4261, 76.4811, 101.6216



20.1207, 38.5988, 10.1593



13.7215, 15.9686, 21.7443



92.9021, 97.7402, 106.4391



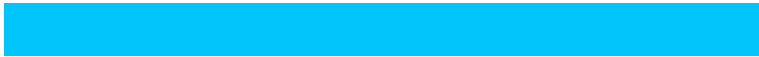
19.4759, 20.4902, 22.3138

Same Dimension

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



21.8459, 27.7988, 54.6669



36.9396, 46.2958, 97.3494



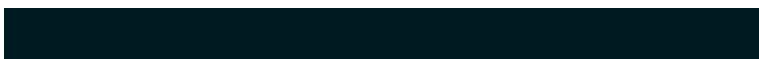
12.3605, 8.8279, 51.5051



10.1776, 11.0466, 12.8806



13.8485, 17.4535, 36.1956



0.6455, 0.8484, 1.5796

Inverse Universe

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



28.2808, 14.3127, 32.7255



49.3322, 24.2830, 54.2058



31.7671, 30.6547, 5.0029



10.4010, 10.2090, 12.2020



18.3860, 9.0442, 20.4768



0.8182, 0.4003, 1.0100

Previews

White Background



This preview shows how the XYZ color 21.8450, 27.7978, 54.6662 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 21.8450, 27.7978, 54.6662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

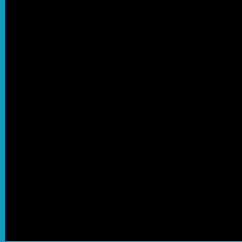
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8450, 27.7978, 54.6662

Background



This preview shows how black text looks on a background with the XYZ color 21.8450, 27.7978, 54.6662.

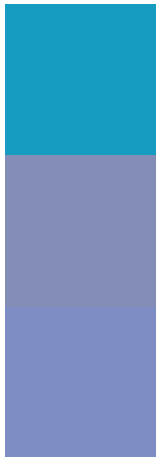


This preview shows how white text looks on a background with the XYZ color 21.8450, 27.7978,

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

21.8450, 27.7978, 54.6662

Protanopia

27.4841, 27.3327, 48.0831

Deuteranopia

28.0929, 27.4709, 56.0463



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

21.8450, 27.7978, 54.6662



Protanomaly

23.5554, 26.3783, 50.3044



Deuteranomaly

24.1537, 26.5726, 55.4857



Tritanomaly

20.4637, 27.7600, 46.9275

Monochromacy



Original Color

21.8450, 27.7978, 54.6662



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

17.3101, 20.7665, 30.6997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8450, 27.7978, 54.6662 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(22, 156, 193)` looks like.

```
.text, #text, p{  
    color:rgb(22, 156, 193)  
}
```

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(22, 156, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 156, 193) }
```

Border

The CSS property to change the border of an element to XYZ 21.8450, 27.7978, 54.6662 is called "border". The border property can be set on classes, ids or directly on the HTML element.

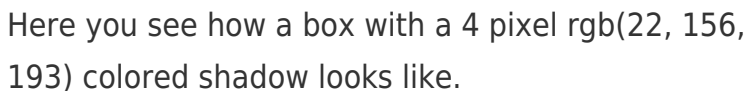
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(22, 156, 193) }
```


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

```
.border{ border-color:rgb(22, 156, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(22, 156, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 156, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 156, 193);  
box-shadow:4px 4px 4px 4px rgb(22, 156,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8450, 27.7978, 54.6662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 156, 193) }
```

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

```
.background{ background-color: rgb(22, 156,  
193) }
```

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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