

Converting Colors

XYZ(21.1486, 27.5946, 49.3350)

Have a look what the booklet for
XYZ(21.1486, 27.5946, 49.3350)
contains.

XYZ(21.1674, 27.5610, 49.5516)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.1674, 27.5610,
49.5516)**

Conversions

Conversions Part 1

Format	Color
Hex	219CB8
RGB	33, 156, 184
RGB Percent	13%, 61%, 72%
CMY	0.8705, 0.3882, 0.2784
CMYK	0.82, 0.15, 0.00, 0.28
HSL	191°, 70%, 43%
HSV	191°, 82%, 72%
XYZ	21.1674, 27.5610, 49.5516
YIQ	122.4150, -82.2960, -17.3680

Conversions

Conversions Part 2

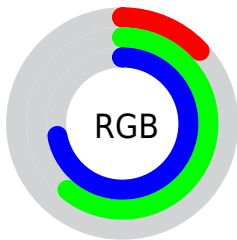
Format	Color
R_{YB}	33, 101, 184
Decimal	2202808
CIE _{Lab}	59.49, -22.32, -23.68
CIE _{LCh}	59, 32.540, 226.702
Yxy	27.5610, 0.2154, 0.2804
Android (android.graphics.Color)	4280392888 (0xFF219CB8)
YUV	122.4150, 30.3614, -78.4170
Hunter-Lab	52.4986, -19.9014, -19.2128

Details

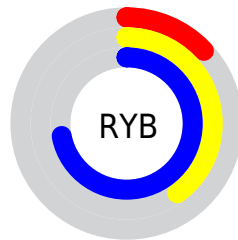
The XYZ color **21.1674, 27.5610, 49.5516** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.7115, 13.6391, 2.9281**, and the grayscale version is **18.5590, 19.5255, 21.2633**.

A 20% lighter version of the original color is **44.9663, 55.9440, 90.8664**, and **9.0470, 11.5393, 23.2232** is the 20% darker color. If you saturate the color by 10%, you get **20.1669, 26.2076, 49.3436**, and if you desaturate by 10%, it is **22.5075, 29.1144, 49.7813**.

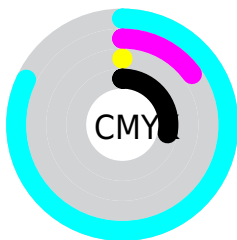
Distribution



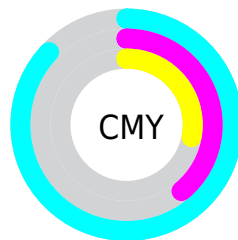
- Red (13%)
- Green (61%)
- Blue (72%)



- Red (13%)
- Yellow (40%)
- Blue (72%)



- Cyan (82%)
- Magenta (15%)
- Yellow (0%)
- Black (28%)



- Cyan (87%)
- Magenta (39%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1674, 27.5610, 49.5516 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 21.1674, 27.5610, 49.5516 by changing the saturation by 10% instead.

■ 21.1674, 27.5610,
49.5516

■ 21.1674, 27.5610,
49.5516

250.8817,
290.3632, 401.5945

■ 13.3596, 17.9950,
34.6886

■ 44.8551, 55.7828,
90.8996

■ 7.7553, 10.9464,
23.1414

■ 61.4658, 75.2074,
118.2216

■ 3.9893, 6.0308,
14.4917

■ 81.7414, 98.6869,
150.5338

■ 1.6961, 2.8638,
8.3208

■ 106.0474,
126.6059, 188.2545

■ 0.4538, 1.0611,
4.2102

■ 134.7490,
159.3486, 231.8024

■ 0.0000, 0.0000,
1.7413

168.2117,

■ 0.0000, 0.0000,

197.2994, 281.5960

0.3888

206.8008,
240.8428, 338.0539

■ 0.0000, 0.0000,
0.0000

■ 21.1674, 27.5610,
49.5516

■ 21.1674, 27.5610,
49.5516

■ 20.1669, 26.2076,
49.3436

■ 22.5075, 29.1144,
49.7813

■ 19.5391, 25.2353,
49.1890

■ 24.2306, 30.8887,
50.0330

■ 26.3762, 32.9051,
50.3091

■ 28.9782, 35.1812,
50.6113

■ 32.0669, 37.7329,
50.9410

■ 35.6699, 40.5745,
51.2996

■ 39.8128, 43.7194,
51.6883

■ 44.5193, 47.1801,
52.1082

■ 49.8118, 50.9682,
52.5605

Harmonies

Analogous

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



19.3664, 27.5610, 36.9537



21.1674, 27.5610, 49.5516



24.4294, 27.5610, 57.6750

Triad

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



21.1674, 27.5610, 49.5516



34.6127, 27.5610, 35.4899



24.0016, 27.5610, 13.2014

Complementary

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



21.1674, 27.5610, 49.5516



21.7115, 13.6391, 2.9281

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.



28.0455, 27.5610, 13.0022



21.1674, 27.5610, 49.5516



34.4674, 27.5610, 23.9944

Square

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



21.1674, 27.5610, 49.5516



32.3421, 27.5610, 48.2427



31.9637, 27.5610, 16.4281



20.8823, 27.5610, 17.0688

Rectangle

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



21.1674, 27.5610, 49.5516



27.1238, 27.5610, 58.3730



31.9637, 27.5610, 16.4281



25.2894, 27.5610, 12.7464

Sweetspot

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



21.1683, 27.5620, 49.5523



62.3590, 71.7605, 92.7691



18.6024, 34.9386, 10.1352



12.9534, 15.0834, 19.9503



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.1683, 27.5620, 49.5523



35.5151, 45.8473, 89.1822



12.2090, 9.6433, 46.5658



9.1213, 9.9198, 11.5134



13.5141, 17.4878, 33.9163



0.5136, 0.6909, 1.2080

Inverse Universe

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



26.3126, 13.6793, 32.7070



45.8652, 22.5688, 54.2468



28.8728, 27.9617, 5.3152



9.3076, 9.1334, 10.9670



17.4350, 8.5477, 20.7091



0.6334, 0.3088, 0.8289

Previews

White Background



This preview shows how the XYZ color 21.1674, 27.5610, 49.5516 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 21.1674, 27.5610, 49.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

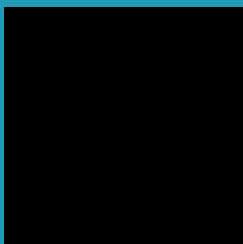
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

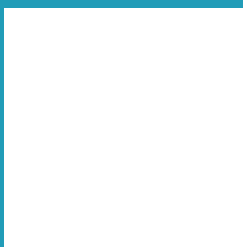
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1674, 27.5610, 49.5516

Background



This preview shows how black text looks on a background with the XYZ color 21.1674, 27.5610, 49.5516.

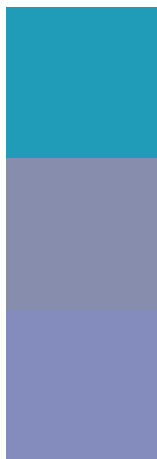


This preview shows how white text looks on a background with the XYZ color 21.1674, 27.5610,

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

21.1674, 27.5610, 49.5516

Protanopia

27.0594, 27.2178, 43.3625

Deuteranopia

27.8153, 27.2123, 51.3634



Tritanopia

19.6902, 27.4521, 42.7891

Trichromacy



Original Color

21.1674, 27.5610, 49.5516



Protanomaly

23.2517, 26.3288, 45.4514



Deuteranomaly

23.9678, 26.5785, 50.8806



Tritanomaly

20.1429, 27.3771, 45.2970

Monochromacy



Original Color

21.1674, 27.5610, 49.5516



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.8524, 21.2682, 29.9523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1674, 27.5610, 49.5516 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(33, 156, 184)` looks like.

```
.text, #text, p{  
    color:rgb(33, 156, 184)  
}
```

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(33, 156, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 156, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.1674, 27.5610, 49.5516 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(33, 156, 184) }
```


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

```
.border{ border-color:rgb(33, 156, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 156, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 156, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 156, 184);  
box-shadow:4px 4px 4px 4px rgb(33, 156,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1674, 27.5610, 49.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 156, 184) }
```

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

```
.background{ background-color: rgb(33, 156,  
184) }
```

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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