

Converting Colors

XYZ(21.3823, 28.1910, 49.8834)

Have a look what the booklet for
XYZ(21.3823, 28.1910, 49.8834)
contains.

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Color

**XYZ(21.3306, 28.1474,
49.6562)**

Conversions

Conversions Part 1

Format	Color
Hex	1B9EB8
RGB	27, 158, 184
RGB Percent	11%, 62%, 72%
CMY	0.8940, 0.3804, 0.2784
CMYK	0.85, 0.14, 0.00, 0.28
HSL	190°, 74%, 41%
HSV	190°, 85%, 72%
XYZ	21.3306, 28.1474, 49.6562
YIQ	121.7950, -86.4220, -19.6860

Conversions

Conversions Part 2

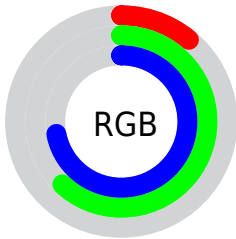
Format	Color
RYB	27, 98, 184
Decimal	1810104
CIELab	60.02, -23.83, -22.87
CIElCh	60, 33.032, 223.827
Yxy	28.1474, 0.2152, 0.2839
Android (android.graphics.Color)	4280000184 (0xFF1B9EB8)
YUV	121.7950, 30.6671, -83.1352
Hunter-Lab	53.0541, -21.0782, -18.3548

Details

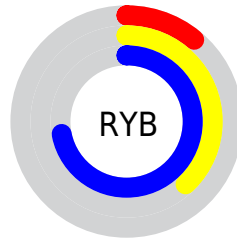
The XYZ color **21.3306, 28.1474, 49.6562** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.2394, 12.8175, 2.3926**, and the grayscale version is **18.3573, 19.3134, 21.0322**.

A 20% lighter version of the original color is **45.1159, 56.7633, 91.0166**, and **9.2508, 11.9468, 23.2911** is the 20% darker color. If you saturate the color by 10%, you get **20.4735, 26.9439, 49.4696**, and if you desaturate by 10%, it is **22.5060, 29.5352, 49.8627**.

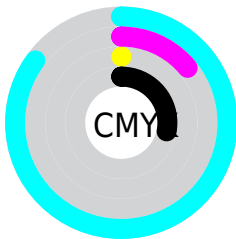
Distribution



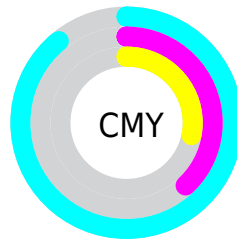
- Red (11%)
- Green (62%)
- Blue (72%)



- Red (11%)
- Yellow (38%)
- Blue (72%)



- Cyan (85%)
- Magenta (14%)
- Yellow (0%)
- Black (28%)



- Cyan (89%)
- Magenta (38%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3306, 28.1474, 49.6562 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 21.3306, 28.1474, 49.6562 by changing the saturation by 10% instead.

■ 21.3306, 28.1474,
49.6562

■ 21.3306, 28.1474,
49.6562

251.7289,
293.1706, 402.0164

■ 13.4797, 18.4368,
34.7710

■ 45.1242, 56.7197,
91.0563

■ 7.8390, 11.2640,
23.2044

■ 61.7977, 76.3502,
118.4084

■ 4.0430, 6.2447,
14.5378

■ 82.1427, 100.0561,
150.7531

■ 1.7265, 2.9945,
8.3527

■ 106.5247,
128.2218, 188.5091

■ 0.4728, 1.1288,
4.2304

■ 135.3089,
161.2317, 232.0949

■ 0.0000, 0.0024,
1.7526

168.8608,

■ 0.0000, 0.0000,

199.4702, 281.9290

0.3964

207.5457,
243.3217, 338.4300

■ 0.0000, 0.0000,
0.0000

■ 21.3306, 28.1474,
49.6562

■ 21.3306, 28.1474,
49.6562

■ 20.4735, 26.9439,
49.4696

■ 22.5060, 29.5352,
49.8627

■ 20.1296, 26.4162,
49.3859

■ 24.0472, 31.1302,
50.0893

■ 25.9957, 32.9547,
50.3388

■ 28.3867, 35.0268,
50.6127

■ 31.2516, 37.3628,
50.9126

■ 34.6187, 39.9776,
51.2398

■ 38.5142, 42.8847,
51.5957

■ 42.9623, 46.0968,
51.9812

■ 47.9859, 49.6256,
52.3976

Harmonies

Analogous

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



19.6410, 28.1474, 36.5255



21.3306, 28.1474, 49.6562



24.5624, 28.1474, 58.7225

Triad

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



21.3306, 28.1474, 49.6562



35.3003, 28.1474, 37.5654



24.8659, 28.1474, 13.2050

Complementary

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



21.3306, 28.1474, 49.6562



21.2394, 12.8175, 2.3926

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.



29.0707, 28.1474, 13.3456



21.3306, 28.1474, 49.6562



35.4035, 28.1474, 25.4370

Square

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



21.3306, 28.1474, 49.6562



32.7561, 28.1474, 50.5874



33.0249, 28.1474, 17.2396



21.5327, 28.1474, 16.7865

Rectangle

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



21.3306, 28.1474, 49.6562



27.2969, 28.1474, 60.0676



33.0249, 28.1474, 17.2396



26.2169, 28.1474, 12.8546

Sweetspot

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



21.3315, 28.1484, 49.6569



62.0255, 71.9133, 92.8162



18.1812, 34.7499, 8.8311



12.9048, 15.1440, 19.9645



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.



21.3315, 28.1484, 49.6569



36.3383, 47.5827, 89.4738



12.1188, 9.7229, 46.5860



9.1367, 9.9506, 11.5185



13.9172, 18.2941, 34.0507



0.5247, 0.7131, 1.2117

Inverse Universe

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



26.3315, 13.4439, 33.5558



46.2589, 22.6430, 56.5770



27.8232, 25.9853, 4.5872



9.3153, 9.1365, 11.0079



17.6384, 8.6291, 21.7806



0.6390, 0.3111, 0.8584

Previews

White Background



This preview shows how the XYZ color 21.3306, 28.1474, 49.6562 looks on a white background.

Color Contrast Check

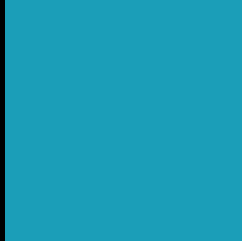
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3306, 28.1474, 49.6562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

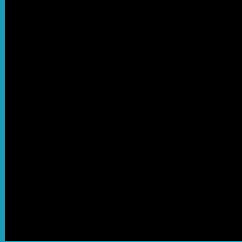
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3306, 28.1474, 49.6562

Background



This preview shows how black text looks on a background with the XYZ color 21.3306, 28.1474, 49.6562.



This preview shows how white text looks on a background with the XYZ color 21.3306, 28.1474,

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

21.3306, 28.1474, 49.6562

Protanopia

27.5324, 27.6815, 43.4271

Deuteranopia

28.4335, 27.7489, 51.4344



Tritanopia

20.1136, 28.1587, 43.9102

Trichromacy



Original Color

21.3306, 28.1474, 49.6562

Protanomaly

23.4555, 26.8955, 45.5501

Deuteranomaly

24.1227, 26.8882, 50.9322

Tritanomaly

20.4591, 28.0351, 45.9280

Monochromacy



Original Color

21.3306, 28.1474, 49.6562

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.7053, 21.3985, 29.9852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3306, 28.1474, 49.6562 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(27, 158, 184)` looks like.

```
.text, #text, p{  
    color:rgb(27, 158, 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(27, 158, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 158, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.3306, 28.1474, 49.6562 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(27, 158, 184) }
```


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

```
.border{ border-color:rgb(27, 158, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 158, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 158, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 158, 184);  
box-shadow:4px 4px 4px 4px rgb(27, 158,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3306, 28.1474, 49.6562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 158, 184) }
```

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

```
.background{ background-color: rgb(27, 158,  
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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