

Converting Colors

XYZ(20.9972, 28.1230, 49.1175)

Have a look what the booklet for
XYZ(20.9972, 28.1230, 49.1175)
contains.

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Color

**XYZ(21.0834, 28.2863,
49.1483)**

Conversions

Conversions Part 1

Format	Color
Hex	0B9FB7
RGB	11, 159, 183
RGB Percent	4%, 62%, 72%
CMY	0.9567, 0.3765, 0.2823
CMYK	0.94, 0.13, 0.00, 0.28
HSL	188°, 89%, 38%
HSV	188°, 94%, 72%
XYZ	21.0834, 28.2863, 49.1483
YIQ	117.4840, -95.9120, -23.9120

Conversions

Conversions Part 2

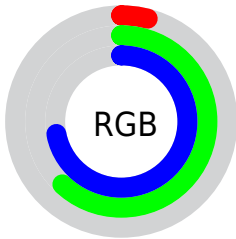
Format	Color
R_{YB}	11, 91, 183
Decimal	761783
CIE _{Lab}	60.15, -25.55, -22.13
CIE _{LCh}	60, 33.800, 220.903
Yxy	28.2863, 0.2140, 0.2871
Android (android.graphics.Color)	4278951863 (0xFF0B9FB7)
YUV	117.4840, 32.2994, -93.3865
Hunter-Lab	53.1849, -22.3130, -17.5607

Details

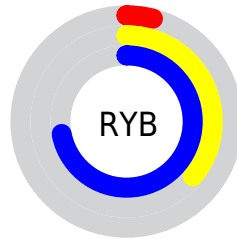
The XYZ color **21.0834, 28.2863, 49.1483** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.1914, 11.2958, 1.4338**, and the grayscale version is **16.9865, 17.8711, 19.4617**.

A 20% lighter version of the original color is **44.7721, 56.9778, 90.2994**, and **9.2870, 12.1271, 22.9704** is the 20% darker color. If you saturate the color by 10%, you get **20.6826, 27.6895, 49.0548**, and if you desaturate by 10%, it is **21.9058, 29.3696, 49.3146**.

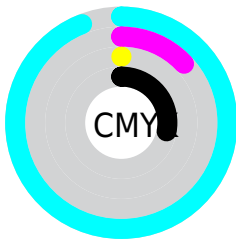
Distribution



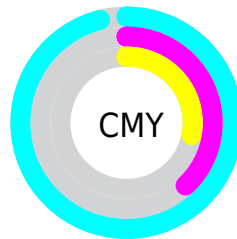
- Red (4%)
- Green (62%)
- Blue (72%)



- Red (4%)
- Yellow (36%)
- Blue (72%)



- Cyan (94%)
- Magenta (13%)
- Yellow (0%)
- Black (28%)



- Cyan (96%)
- Magenta (38%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0834, 28.2863, 49.1483 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 21.0834, 28.2863, 49.1483 by changing the saturation by 10% instead.

■ 21.0834, 28.2863,
49.1483

■ 21.0834, 28.2863,
49.1483

■ 250.4447,
293.8324, 399.9651

■ 13.2978, 18.5416,
34.3707

■ 44.7165, 56.9412,
90.2949

■ 7.7123, 11.3395,
22.8989

■ 61.2947, 76.6202,
117.5011

■ 3.9617, 6.2957,
14.3142

■ 81.5345, 100.3794,
149.6871

■ 1.6805, 3.0257,
8.1983

■ 105.8013,
128.6032, 187.2716

■ 0.4440, 1.1452,
4.1325

■ 134.4603,
161.6760, 230.6731

■ 0.0000, 0.0162,
1.6983

■ 167.8770,

■ 0.0000, 0.0000,

199.9822, 280.3102

0.3596

206.4167,
243.9062, 336.6013

■ 0.0000, 0.0000,
0.0000

■ 21.0834, 28.2863,
49.1483

■ 21.0834, 28.2863,
49.1483

■ 20.6826, 27.6895,
49.0548

■ 21.9058, 29.3696,
49.3146

■ 23.0443, 30.6288,
49.4976

■ 24.5470, 32.0894,
49.7004

■ 26.4532, 33.7717,
49.9246

■ 28.7970, 35.6934,
50.1720

■ 31.6087, 37.8701,
50.4440

■ 34.9160, 40.3164,
50.7418

■ 38.7445, 43.0453,
51.0668

■ 43.1178, 46.0691,
51.4199

Harmonies

Analogous

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



19.5261, 28.2863, 35.5213



21.0834, 28.2863, 49.1483



24.2584, 28.2863, 59.1901

Triad

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



21.0834, 28.2863, 49.1483



35.5228, 28.2863, 39.2554



25.3446, 28.2863, 12.8480

Complementary

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



21.0834, 28.2863, 49.1483



20.1914, 11.2958, 1.4338

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.



29.6953, 28.2863, 13.3454



21.0834, 28.2863, 49.1483



35.8940, 28.2863, 26.5149

Square

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



21.0834, 28.2863, 49.1483



32.6990, 28.2863, 52.5037



33.6644, 28.2863, 17.7012



21.8051, 28.2863, 16.0913

Rectangle

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



21.0834, 28.2863, 49.1483



27.0165, 28.2863, 61.2321



33.6644, 28.2863, 17.7012



26.7545, 28.2863, 12.6114

Sweetspot

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



21.0843, 28.2873, 49.1490



59.7590, 70.1754, 90.6313



17.3604, 34.0540, 7.1688



12.6497, 15.0905, 19.9677



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.



21.0843, 28.2873, 49.1490



36.9137, 49.3346, 87.8127



11.1406, 8.3999, 45.8344



9.1570, 9.9911, 11.5253



14.4660, 19.3916, 34.2336



0.5396, 0.7429, 1.2167

Inverse Universe

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



25.9069, 12.8109, 33.9091



45.8807, 22.3926, 59.0647



26.2994, 23.5119, 3.4698



9.3256, 9.1406, 11.0619



17.9154, 8.7399, 23.2392



0.6465, 0.3141, 0.8981

Previews

White Background



This preview shows how the XYZ color 21.0834, 28.2863, 49.1483 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 21.0834, 28.2863, 49.1483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

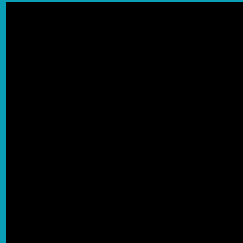
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0834, 28.2863, 49.1483

Background



This preview shows how black text looks on a background with the XYZ color 21.0834, 28.2863, 49.1483.

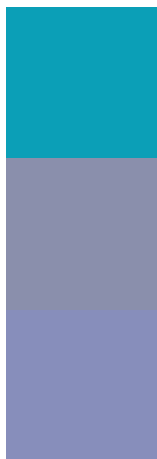


This preview shows how white text looks on a background with the XYZ color 21.0834, 28.2863,

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

21.0834, 28.2863, 49.1483

Protanopia

27.7501, 28.0268, 42.9768

Deuteranopia

28.6343, 28.0848, 50.9254



Tritanopia

20.1136, 28.1587, 43.9102

Trichromacy



Original Color

21.0834, 28.2863, 49.1483

Protanomaly

22.9976, 26.9048, 45.0553

Deuteranomaly

23.6693, 26.8986, 50.3988

Tritanomaly

20.5567, 28.3417, 45.9820

Monochromacy



Original Color

21.0834, 28.2863, 49.1483

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.2009, 20.0453, 28.2146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0834, 28.2863, 49.1483 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(11, 159, 183)` looks like.

```
.text, #text, p{  
    color:rgb(11, 159, 183)  
}
```

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(11, 159, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 159, 183) }
```

Border

The CSS property to change the border of an element to XYZ 21.0834, 28.2863, 49.1483 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(11, 159, 183) }
```


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

```
.border{ border-color:rgb(11, 159, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 159, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 159, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 159, 183);  
box-shadow:4px 4px 4px 4px rgb(11, 159,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0834, 28.2863, 49.1483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 159, 183) }
```

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

```
.background{ background-color: rgb(11, 159,  
183) }
```

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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