

Converting Colors

XYZ(12.1078, 17.7512, 21.2954)

Have a look what the booklet for
XYZ(12.1078, 17.7512, 21.2954)
contains.

XYZ(12.0309, 17.6464, 21.1844)	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(12.0309, 17.6464,
21.1844)**

Conversions

Conversions Part 1

Format	Color
Hex	1E827A
RGB	30, 130, 122
RGB Percent	12%, 51%, 48%
CMY	0.8823, 0.4902, 0.5216
CMYK	0.77, 0.00, 0.06, 0.49
HSL	175°, 62%, 31%
HSV	175°, 77%, 51%
XYZ	12.0309, 17.6464, 21.1844
YIQ	99.1880, -57.0320, -23.6880

Conversions

Conversions Part 2

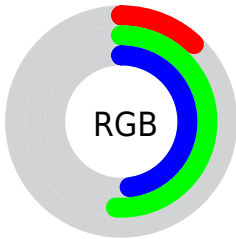
Format	Color
R_{YB}	30, 82, 130
Decimal	1999482
CIE _{Lab}	49.06, -29.40, -3.71
CIE _{LCh}	49, 29.635, 187.193
Yxy	17.6464, 0.2365, 0.3469
Android (android.graphics.Color)	4280189562 (0xFF1E827A)
YUV	99.1880, 11.2463, -60.6779
Hunter-Lab	42.0076, -22.3913, -0.4946




Details

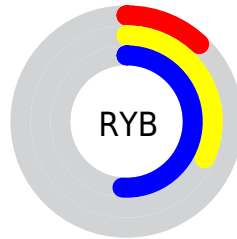
The XYZ color **12.0309, 17.6464, 21.1844** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0206, 5.8148, 2.4286**, and the grayscale version is **11.8906, 12.5098, 13.6232**.




A 20% lighter version of the original color is **29.0877, 39.2501, 46.0873**, and **4.1047, 6.2317, 7.4651** is the 20% darker color. If you saturate the color by 10%, you get **11.6630, 17.4645, 20.8329**, and if you desaturate by 10%, it is **12.5572, 17.9106, 21.5477**.

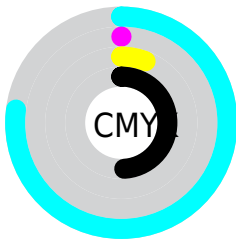
Distribution







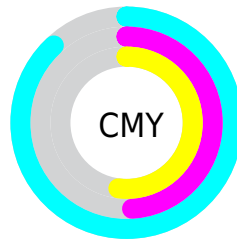
-  Red (12%)
-  Green (51%)
-  Blue (48%)






-  Red (12%)
-  Yellow (32%)
-  Blue (51%)



-  Cyan (77%)
-  Magenta (0%)
-  Yellow (6%)
-  Black (49%)



-  Cyan (88%)
-  Magenta (49%)
-  Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0309, 17.6464, 21.1844 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 12.0309, 17.6464, 21.1844 by changing the saturation by 10% instead.

■ 12.0309, 17.6464,
21.1844

■ 12.0309, 17.6464,
21.1844

■ 198.3755,
238.8704, 271.0700

■ 6.8371, 10.6964,
13.0663

■ 29.1677, 39.4339,
46.2790

■ 3.4058, 5.8631,
7.3430

■ 41.8415, 55.0402,
64.0926

■ 1.3718, 2.7620,
3.5958

■ 57.7392, 74.3007,
85.9751

■ 0.2360, 1.0088,
1.4063

■ 77.2263, 97.5998,
112.3450

■ 0.0000, 0.0000,
0.1467

■ 100.6681,
125.3219, 143.6209

■ 0.0000, 0.0000,
0.0000

■ 128.4300,

157.8515, 180.2214

160.8774,
195.5728, 222.5649

■ 12.0309, 17.6464,
21.1844

■ 12.0309, 17.6464,
21.1844

■ 11.6630, 17.4645,
20.8329

■ 12.5572, 17.9106,
21.5477

■ 11.4184, 17.3458,
20.4904

■ 13.2574, 18.2640,
21.9224

■ 11.3488, 17.3122,
20.3858

■ 14.1471, 18.7150,
22.3095

■ 15.2395, 19.2705,
22.7098

■ 16.5469, 19.9367,
23.1238

■ 18.0804, 20.7193,
23.5520

■ 19.8504, 21.6238,
23.9950

■ 21.8666, 22.6551,
24.4532

■ 24.1383, 23.8181,
24.9270

Harmonies

Analogous

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



12.3330, 17.6464, 13.8951



12.0309, 17.6464, 21.1844



12.8833, 17.6464, 29.9673

Triad

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



12.0309, 17.6464, 21.1844



20.1962, 17.6464, 34.0761



18.9190, 17.6464, 8.3177

Complementary

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



12.0309, 17.6464, 21.1844



10.0206, 5.8148, 2.4286

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.



21.3745, 17.6464, 11.4006



12.0309, 17.6464, 21.1844



22.1666, 17.6464, 25.7416

Square

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



12.0309, 17.6464, 21.1844



17.4470, 17.6464, 38.6273



22.6199, 17.6464, 17.3696



16.1154, 17.6464, 7.7199

Rectangle

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



12.0309, 17.6464, 21.1844



14.0533, 17.6464, 35.0649



22.6199, 17.6464, 17.3696



19.8213, 17.6464, 9.0466

Sweetspot

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



12.0314, 17.6471, 21.1848



30.0114, 35.5537, 40.9750



9.0292, 16.4781, 3.9334



6.6143, 7.9563, 9.2227



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.0314, 17.6471, 21.1848



20.2242, 30.6026, 36.2541



8.0825, 8.9228, 22.4161



4.4321, 4.8811, 5.4464



10.8826, 16.5996, 19.5523



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.0206, 5.8148, 2.4286



16.5471, 8.7316, 1.7819



11.7368, 9.4321, 2.4307



4.3407, 4.3494, 4.5984



8.8829, 4.5729, 0.7074



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0309, 17.6464, 21.1844 looks on a white 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

Black Background



This preview shows how the XYZ color 12.0309, 17.6464, 21.1844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

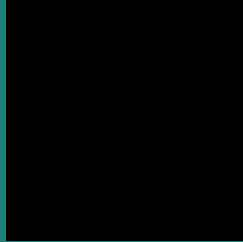
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.0309, 17.6464, 21.1844

Background



This preview shows how black text looks on a background with the XYZ color 12.0309, 17.6464, 21.1844.



This preview shows how white text looks on a background with the XYZ color 12.0309, 17.6464,

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

12.0309, 17.6464, 21.1844

Protanopia

16.6392, 17.3279, 18.3872

Deuteranopia

17.8394, 17.5276, 22.1816



Tritanopia

13.2211, 17.7447, 26.7730

Trichromacy



Original Color

12.0309, 17.6464, 21.1844

Protanomaly

13.7651, 16.6957, 19.3267

Deuteranomaly

14.4183, 16.7982, 21.8845

Tritanomaly

12.7781, 17.7598, 24.5843

Monochromacy



Original Color

12.0309, 17.6464, 21.1844

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.0538, 13.6692, 15.9657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0309, 17.6464, 21.1844 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(30, 130, 122)` looks like.

```
.text, #text, p{  
    color:rgb(30, 130, 122)  
}
```

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(30, 130, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 130, 122) }
```

Border

The CSS property to change the border of an element to XYZ 12.0309, 17.6464, 21.1844 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(30, 130, 122) }
```


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

```
.border{ border-color:rgb(30, 130, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 130, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 130, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 130, 122);  
box-shadow:4px 4px 4px 4px rgb(30, 130,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0309, 17.6464, 21.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 130, 122) }
```

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

```
.background{ background-color: rgb(30, 130,  
122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor