

Converting Colors

XYZ(12.1269, 18.1833, 22.7565)

Have a look what the booklet for
XYZ(12.1269, 18.1833, 22.7565)
contains.

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Color

**XYZ(12.1534, 18.2814,
22.6268)**

Conversions

Conversions Part 1

Format	Color
Hex	00857E
RGB	0, 133, 126
RGB Percent	0%, 52%, 49%
CMY	0.9999, 0.4784, 0.5059
CMYK	1.00, 0.00, 0.05, 0.48
HSL	177°, 100%, 26%
HSV	177°, 100%, 52%
XYZ	12.1534, 18.2814, 22.6268
YIQ	92.4350, -77.0210, -30.3730

Conversions

Conversions Part 2

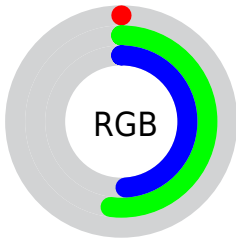
Format	Color
RYB	0, 68, 133
Decimal	34174
CIELab	49.84, -31.88, -4.95
CIELCh	50, 32.260, 188.833
Yxy	18.2814, 0.2290, 0.3445
Android (android.graphics.Color)	4278224254 (0xFF00857E)
YUV	92.4350, 16.5475, -81.0655
Hunter-Lab	42.7568, -24.0866, -1.4464

Details

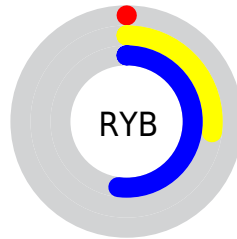
The XYZ color **12.1534, 18.2814, 22.6268** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.7118, 5.0024, 0.6551**, and the grayscale version is **10.2500, 10.7838, 11.7435**.

A 20% lighter version of the original color is **29.4743, 40.6343, 48.9376**, and **4.4328, 6.7223, 8.0851** is the 20% darker color. If you saturate the color by 10%, you get **12.1537, 18.2820, 22.6270**, and if you desaturate by 10%, it is **12.3698, 18.3881, 22.8740**.

Distribution



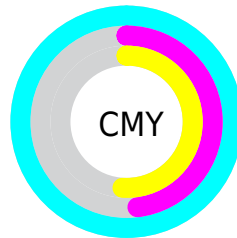
- Red (0%)
- Green (52%)
- Blue (49%)



- Red (0%)
- Yellow (27%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1534, 18.2814, 22.6268 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 12.1534, 18.2814, 22.6268 by changing the saturation by 10% instead.

■ 12.1534, 18.2814,
22.6268

■ 12.1534, 18.2814,
22.6268

■ 199.1674,
242.4524, 278.8619

■ 6.9212, 11.1522,
14.1155

■ 29.3886, 40.5162,
48.6952

■ 3.4587, 6.1693,
8.0614

■ 42.1223, 56.3907,
67.0894

■ 1.4007, 2.9483,
4.0459

■ 58.0873, 75.9490,
89.6149

■ 0.2568, 1.1048,
1.6506

■ 77.6487, 99.5756,
116.6903

■ 0.0000, 0.0000,
0.3265

■ 101.1722,
127.6548, 148.7342

■ 0.0000, 0.0000,
0.0000

■ 129.0228,

160.5711, 186.1650

161.5661,
198.7088, 229.4014

■ 12.1534, 18.2814,
22.6268

■ 12.1534, 18.2814,
22.6268

■ 12.1537, 18.2820,
22.6270

■ 12.3698, 18.3881,
22.8740

■ 12.6867, 18.5462,
23.1272

■ 13.1625, 18.7862,
23.3895

■ 13.8166, 19.1180,
23.6618

■ 14.6653, 19.5502,
23.9448

■ 15.7233, 20.0902,
24.2394

■ 17.0038, 20.7448,
24.5460

■ 18.5188, 21.5204,
24.8652

■ 20.2797, 22.4226,
25.1977

Harmonies

Analogous

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



12.4149, 18.2814, 14.3845



12.1534, 18.2814, 22.6268



13.1565, 18.2814, 32.5566

Triad

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



12.1534, 18.2814, 22.6268



21.3630, 18.2814, 36.2686



19.6047, 18.2814, 7.9028

Complementary

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



12.1534, 18.2814, 22.6268



9.7118, 5.0024, 0.6551

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.



22.4130, 18.2814, 11.0472



12.1534, 18.2814, 22.6268



23.5086, 18.2814, 26.6839

Square

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



12.1534, 18.2814, 22.6268



18.3019, 18.2814, 41.8261



23.9140, 18.2814, 17.4113



16.4817, 18.2814, 7.4039

Rectangle

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



12.1534, 18.2814, 22.6268



14.4859, 18.2814, 38.2450



23.9140, 18.2814, 17.4113



20.6268, 18.2814, 8.6287

Sweetspot

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



12.1539, 18.2821, 22.6272



30.2774, 37.0606, 43.9167



8.4990, 16.8329, 2.8015



6.6283, 8.2508, 9.8494



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.1539, 18.2821, 22.6272



21.7458, 32.7309, 40.4223



6.7755, 6.7766, 23.1419



4.7913, 5.2748, 5.9123



11.5772, 17.4137, 21.5568



0.0409, 0.0607, 0.0789

Inverse Universe

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



9.7118, 5.0024, 0.6551



17.3722, 8.9499, 1.0740



11.1683, 7.9769, 0.9515



4.6818, 4.6924, 4.9366



9.2511, 4.7648, 0.6287



0.0327, 0.0167, 0.0054

Previews

White Background



This preview shows how the XYZ color 12.1534, 18.2814, 22.6268 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 12.1534, 18.2814, 22.6268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

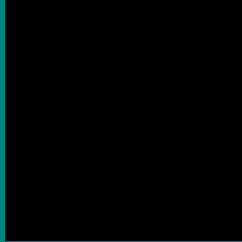
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.1534, 18.2814, 22.6268

Background



This preview shows how black text looks on a background with the XYZ color 12.1534, 18.2814, 22.6268.



This preview shows how white text looks on a background with the XYZ color 12.1534, 18.2814,

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

12.1534, 18.2814, 22.6268

Protanopia

17.4350, 18.2343, 19.4303

Deuteranopia

18.4722, 18.1583, 23.6504



Tritanopia

13.4594, 18.4317, 28.0476

Trichromacy



Original Color

12.1534, 18.2814, 22.6268

Protanomaly

13.4536, 17.0585, 20.3528

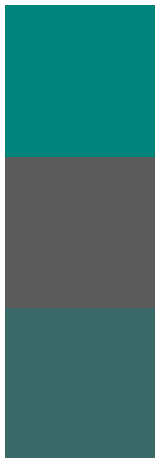
Deuteranomaly

14.1464, 17.1663, 23.3367

Tritanomaly

12.9638, 18.4185, 26.1644

Monochromacy



Original Color

12.1534, 18.2814, 22.6268

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.5600, 12.4447, 14.9949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1534, 18.2814, 22.6268 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(0, 133, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 126)  
}
```

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(0, 133, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 126) }
```

Border

The CSS property to change the border of an element to XYZ 12.1534, 18.2814, 22.6268 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(0, 133, 126) }
```


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

```
.border{ border-color:rgb(0, 133, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1534, 18.2814, 22.6268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 126) }
```

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

```
.background{ background-color: rgb(0, 133,  
126) }
```

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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