

Converting Colors

XYZ(12.9555, 17.8118, 24.9373)

Have a look what the booklet for
XYZ(12.9555, 17.8118, 24.9373)
contains.

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Color

**XYZ(12.9983, 17.8654,
24.9536)**

Conversions

Conversions Part 1

Format	Color
Hex	298185
RGB	41, 129, 133
RGB Percent	16%, 51%, 52%
CMY	0.8392, 0.4941, 0.4784
CMYK	0.69, 0.03, 0.00, 0.48
HSL	183°, 53%, 34%
HSV	183°, 69%, 52%
XYZ	12.9983, 17.8654, 24.9536
YIQ	103.1440, -53.7320, -17.4120

Conversions

Conversions Part 2

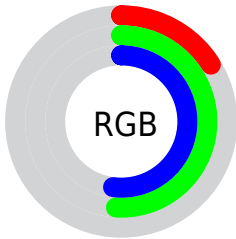
Format	Color
RYB	41, 86, 133
Decimal	2720133
CIELab	49.33, -24.00, -9.75
CIELCh	49, 25.906, 202.109
Yxy	17.8654, 0.2329, 0.3201
Android (android.graphics.Color)	4280910213 (0xFF298185)
YUV	103.1440, 14.7190, -54.5003
Hunter-Lab	42.2675, -19.0749, -5.4160

Details

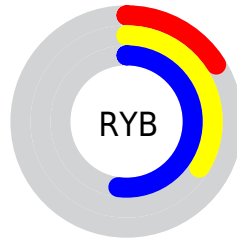
The XYZ color **12.9983, 17.8654, 24.9536** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.0118, 7.0237, 2.8735**, and the grayscale version is **12.9032, 13.5752, 14.7833**.

A 20% lighter version of the original color is **30.8464, 39.7104, 52.4935**, and **4.3962, 6.2321, 9.3587** is the 20% darker color. If you saturate the color by 10%, you get **12.4791, 17.4854, 24.9079**, and if you desaturate by 10%, it is **13.6983, 18.3400, 25.0086**.

Distribution



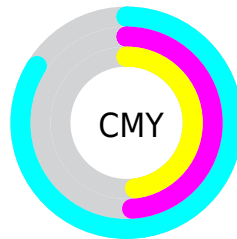
- Red (16%)
- Green (51%)
- Blue (52%)



- Red (16%)
- Yellow (34%)
- Blue (52%)



- Cyan (69%)
- Magenta (3%)
- Yellow (0%)
- Black (48%)



- Cyan (84%)
- Magenta (49%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9983, 17.8654, 24.9536 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 12.9983, 17.8654, 24.9536 by changing the saturation by 10% instead.

■ 12.9983, 17.8654,
24.9536

■ 12.9983, 17.8654,
24.9536

204.5446,
240.1113, 291.0471

■ 7.5044, 10.8534,
15.8238

■ 30.9021, 39.8078,
52.5451

■ 3.8286, 5.9683,
9.2465

■ 44.0426, 55.5071,
71.8439

■ 1.6056, 2.8258,
4.8033

■ 60.4627, 74.8708,
95.3694

■ 0.3961, 1.0415,
2.0756

■ 80.5278, 98.2835,
123.5402

■ 0.0000, 0.0000,
0.6012

■ 104.6032,
126.1295, 156.7749

■ 0.0000, 0.0000,
0.0000

■ 133.0542,

158.7932, 195.4919

166.2462,
196.6590, 240.1097

■ 12.9983, 17.8654,
24.9536

■ 12.9983, 17.8654,
24.9536

■ 12.4791, 17.4854,
24.9079

■ 13.6983, 18.3400,
25.0086

■ 12.1202, 17.1883,
24.8695

■ 14.5938, 18.9157,
25.0726

■ 11.8715, 16.9486,
24.8364

■ 15.6998, 19.6005,
25.1464

■ 11.8515, 16.9291,
24.8336

■ 17.0294, 20.4012,
25.2309

■ 18.5946, 21.3241,
25.3266

■ 20.4067, 22.3748,
25.4339

■ 22.4761, 23.5588,
25.5533

■ 24.8126, 24.8812,
25.6854

■ 27.4256, 26.3468,
25.8306

Harmonies

Analogous

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



12.7487, 17.8654, 17.6673



12.9983, 17.8654, 24.9536



14.2619, 17.8654, 32.0830

Triad

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



12.9983, 17.8654, 24.9536



20.9539, 17.8654, 28.9144



17.6321, 17.8654, 8.9567

Complementary

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



12.9983, 17.8654, 24.9536



11.0118, 7.0237, 2.8735

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.



20.0244, 17.8654, 10.6667



12.9983, 17.8654, 24.9536



22.0583, 17.8654, 21.3538

Square

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



12.9983, 17.8654, 24.9536



18.8061, 17.8654, 34.7245



21.7029, 17.8654, 14.8257



15.2771, 17.8654, 9.4792

Rectangle

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



12.9983, 17.8654, 24.9536



15.5811, 17.8654, 35.2241



21.7029, 17.8654, 14.8257



18.4613, 17.8654, 9.2715

Sweetspot

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



12.9988, 17.8661, 24.9540



32.6136, 37.7854, 45.3128



9.7582, 17.4292, 5.2397



7.1982, 8.4249, 10.1995



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.



12.9988, 17.8661, 24.9540



21.9471, 30.9912, 44.5636



8.3136, 8.4956, 23.3923



4.7847, 5.2451, 5.9610



11.2902, 16.1281, 23.6547



0.0404, 0.0585, 0.0824

Inverse Universe

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



14.4287, 8.1578, 21.5838



24.7618, 12.6276, 37.7615



13.7353, 12.4707, 3.7813



4.8494, 4.7594, 5.8192



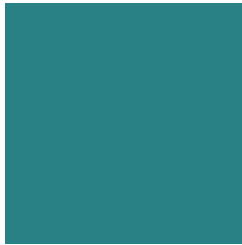
12.8769, 6.2151, 19.7217



0.0453, 0.0218, 0.0719

Previews

White Background



This preview shows how the XYZ color 12.9983, 17.8654, 24.9536 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 12.9983, 17.8654, 24.9536 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

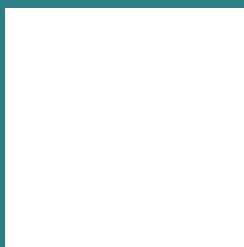
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9983, 17.8654, 24.9536

Background



This preview shows how black text looks on a background with the XYZ color 12.9983, 17.8654, 24.9536.



This preview shows how white text looks on a background with the XYZ color 12.9983, 17.8654,

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

12.9983, 17.8654, 24.9536

Protanopia

17.1495, 17.6845, 21.9116

Deuteranopia

17.9325, 17.6638, 25.7569



Tritanopia

13.4181, 17.8379, 27.1619

Trichromacy



Original Color

12.9983, 17.8654, 24.9536

Protanomaly

14.8535, 17.3571, 22.9895

Deuteranomaly

15.1864, 17.1166, 25.4251

Tritanomaly

13.2308, 17.7581, 26.3972

Monochromacy



Original Color

12.9983, 17.8654, 24.9536

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1397, 14.5087, 18.0802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9983, 17.8654, 24.9536 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(41, 129, 133)` looks like.

```
.text, #text, p{  
  color:rgb(41, 129, 133)  
}
```

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(41, 129, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 129, 133) }
```

Border

The CSS property to change the border of an element to XYZ 12.9983, 17.8654, 24.9536 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(41, 129, 133) }
```


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

```
.border{ border-color:rgb(41, 129, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 129, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 129, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 129, 133);  
box-shadow:4px 4px 4px 4px rgb(41, 129,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9983, 17.8654, 24.9536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 129, 133) }
```

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

```
.background{ background-color: rgb(41, 129,  
133) }
```

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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