

Converting Colors

XYZ(16.6980, 24.5414, 28.0928)

Have a look what the booklet for
XYZ(16.6980, 24.5414, 28.0928)
contains.

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Color

**XYZ(16.7231, 24.5109,
28.2758)**

Conversions

Conversions Part 1

Format	Color
Hex	2B978B
RGB	43, 151, 139
RGB Percent	17%, 59%, 55%
CMY	0.8313, 0.4078, 0.4549
CMYK	0.72, 0.00, 0.08, 0.41
HSL	173°, 56%, 38%
HSV	173°, 72%, 59%
XYZ	16.7231, 24.5109, 28.2758
YIQ	117.3400, -60.5160, -26.6280

Conversions

Conversions Part 2

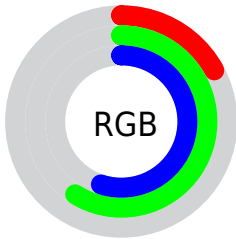
Format	Color
R_{YB}	43, 100, 151
Decimal	2856843
CIE _{Lab}	56.60, -32.74, -2.43
CIE _{LCh}	57, 32.828, 184.252
Yxy	24.5109, 0.2406, 0.3526
Android (android.graphics.Color)	4281046923 (0xFF2B978B)
YUV	117.3400, 10.6784, -65.1962
Hunter-Lab	49.5085, -26.3457, 0.7936

Details

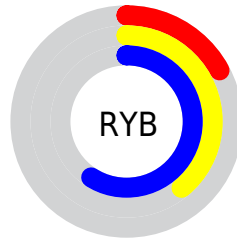
The XYZ color **16.7231, 24.5109, 28.2758** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.3168, 8.5837, 4.5176**, and the grayscale version is **16.9962, 17.8813, 19.4728**.

A 20% lighter version of the original color is **37.4114, 50.9516, 57.7320**, and **6.2650, 9.6449, 10.9827** is the 20% darker color. If you saturate the color by 10%, you get **16.0819, 24.1950, 27.6111**, and if you desaturate by 10%, it is **17.6020, 24.9503, 28.9625**.

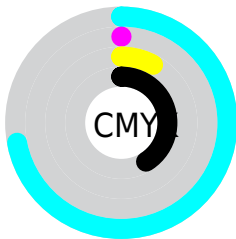
Distribution



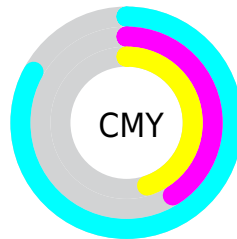
- Red (17%)
- Green (59%)
- Blue (55%)



- Red (17%)
- Yellow (39%)
- Blue (59%)



- Cyan (72%)
- Magenta (0%)
- Yellow (8%)
- Black (41%)



- Cyan (83%)
- Magenta (41%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7231, 24.5109, 28.2758 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 16.7231, 24.5109, 28.2758 by changing the saturation by 10% instead.

■ 16.7231, 24.5109,
28.2758

■ 16.7231, 24.5109,
28.2758

■ 226.7591,
275.3933, 307.7358

■ 10.1313, 15.7130,
18.2928

■ 37.3965, 50.8626,
57.9529

■ 5.5491, 9.3213,
10.9888

■ 52.2088, 69.1853,
78.4840

■ 2.6109, 4.9514,
5.9452

■ 70.4920, 91.4517,
103.3683

■ 0.9515, 2.2187,
2.7436

■ 92.6115, 118.0462,
133.0243

■ 0.0000, 0.7302,
0.9652

■ 118.9326,
149.3532, 167.8705

■ 0.0000, 0.0000,
0.0000

■ 149.8206,

185.7572, 208.3254

185.6410,
227.6424, 254.8077

■ 16.7231, 24.5109,
28.2758

■ 16.7231, 24.5109,
28.2758

■ 16.0819, 24.1950,
27.6111

■ 17.6020, 24.9503,
28.9625

■ 15.6489, 23.9856,
26.9654

■ 18.7397, 25.5223,
29.6707

■ 15.3856, 23.8614,
26.4304

■ 20.1574, 26.2384,
30.4018

■ 21.8734, 27.1081,
31.1569

■ 23.9046, 28.1401,
31.9367

■ 26.2665, 29.3423,
32.7421

■ 28.9736, 30.7223,
33.5737

■ 32.0397, 32.2871,
34.4322

■ 35.4776, 34.0433,
35.3182

Harmonies

Analogous

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



17.2970, 24.5109, 18.5659



16.7231, 24.5109, 28.2758



17.7466, 24.5109, 40.3380

Triad

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



16.7231, 24.5109, 28.2758



27.6723, 24.5109, 48.0801



26.6294, 24.5109, 11.8903

Complementary

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



16.7231, 24.5109, 28.2758



14.3168, 8.5837, 4.5176

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.



29.8982, 24.5109, 16.5279



16.7231, 24.5109, 28.2758



30.5449, 24.5109, 36.8892

Square

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



16.7231, 24.5109, 28.2758



23.8448, 24.5109, 53.5844



31.4007, 24.5109, 25.1612



22.7574, 24.5109, 10.7467

Rectangle

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



16.7231, 24.5109, 28.2758



19.2704, 24.5109, 47.6163



31.4007, 24.5109, 25.1612



27.8484, 24.5109, 13.0157

Sweetspot

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



16.7238, 24.5118, 28.2764



42.8476, 50.4135, 57.2069



13.1121, 23.1379, 6.0611



9.5172, 11.3457, 12.9213



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.7238, 24.5118, 28.2764



28.2783, 43.0754, 48.7254



12.1159, 13.8148, 31.3071



6.3550, 7.0147, 7.7929



13.0949, 20.3014, 22.5183



0.2031, 0.3064, 0.3753

Inverse Universe

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



14.3168, 8.5837, 4.5176



23.7575, 12.7885, 3.8274



16.4009, 13.1577, 3.9614



6.2353, 6.2333, 6.6194



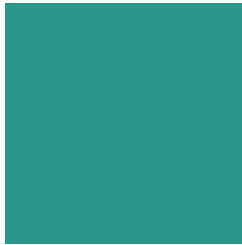
10.9479, 5.6334, 0.9845



0.1701, 0.0868, 0.0485

Previews

White Background



This preview shows how the XYZ color 16.7231, 24.5109, 28.2758 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 16.7231, 24.5109, 28.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

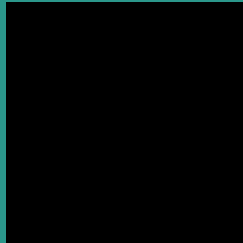
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7231, 24.5109, 28.2758

Background



This preview shows how black text looks on a background with the XYZ color 16.7231, 24.5109, 28.2758.

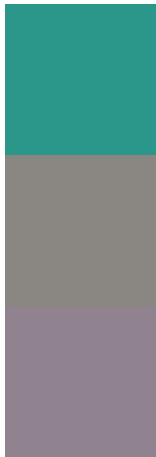


This preview shows how white text looks on a background with the XYZ color 16.7231, 24.5109,

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

16.7231, 24.5109, 28.2758

Protanopia

22.9688, 24.0384, 24.1982

Deuteranopia

24.5758, 24.1451, 29.3518



Tritanopia

18.5106, 24.5301, 37.0169

Trichromacy



Original Color

16.7231, 24.5109, 28.2758

Protanomaly

19.2052, 23.3332, 25.6818

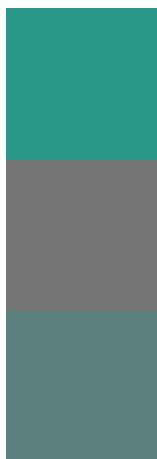
Deuteranomaly

20.0344, 23.2558, 29.0241

Tritanomaly

17.7802, 24.4657, 33.4910

Monochromacy



Original Color

16.7231, 24.5109, 28.2758

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.7684, 19.3548, 22.3068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7231, 24.5109, 28.2758 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(43, 151, 139)` looks like.

```
.text, #text, p{  
    color:rgb(43, 151, 139)  
}
```

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(43, 151, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 151, 139) }
```

Border

The CSS property to change the border of an element to XYZ 16.7231, 24.5109, 28.2758 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(43, 151, 139) }
```


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

```
.border{ border-color:rgb(43, 151, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 151, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 151, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 151, 139);  
box-shadow:4px 4px 4px 4px rgb(43, 151,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7231, 24.5109, 28.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 151, 139) }
```

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

```
.background{ background-color: rgb(43, 151,  
139) }
```

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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