

Converting Colors

XYZ(16.0545, 24.6580, 24.7023)

Have a look what the booklet for
XYZ(16.0545, 24.6580, 24.7023)
contains.

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Color

**XYZ(16.0812, 24.7425,
24.6971)**

Conversions

Conversions Part 1

Format	Color
Hex	249981
RGB	36, 153, 129
RGB Percent	14%, 60%, 51%
CMY	0.8588, 0.4000, 0.4941
CMYK	0.76, 0.00, 0.16, 0.40
HSL	168°, 62%, 37%
HSV	168°, 76%, 60%
XYZ	16.0812, 24.7425, 24.6971
YIQ	115.2810, -62.0280, -32.2680

Conversions

Conversions Part 2

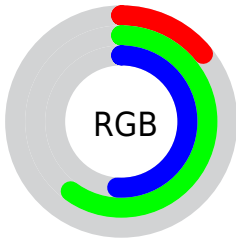
Format	Color
R_{YB}	36, 101, 153
Decimal	2398593
CIE _{Lab}	56.82, -37.35, 3.59
CIE _{LCh}	57, 37.523, 174.515
Yxy	24.7425, 0.2454, 0.3776
Android (android.graphics.Color)	4280588673 (0xFF249981)
YUV	115.2810, 6.7635, -69.5294
Hunter-Lab	49.7418, -29.3404, 5.3815

Details

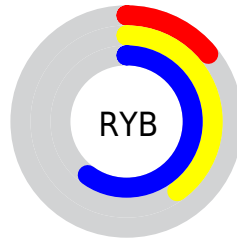
The XYZ color **16.0812, 24.7425, 24.6971** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.5841, 8.3609, 5.1209**, and the grayscale version is **16.3753, 17.2281, 18.7614**.

A 20% lighter version of the original color is **36.2549, 51.1985, 52.2274**, and **6.1016, 9.8865, 9.1761** is the 20% darker color. If you saturate the color by 10%, you get **15.4517, 24.4423, 23.5956**, and if you desaturate by 10%, it is **16.9468, 25.1648, 25.8442**.

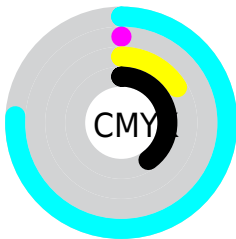
Distribution



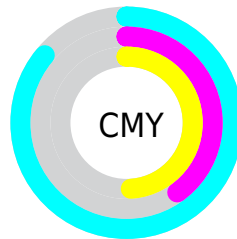
- Red (14%)
- Green (60%)
- Blue (51%)



- Red (14%)
- Yellow (40%)
- Blue (60%)



- Cyan (76%)
- Magenta (0%)
- Yellow (16%)
- Black (40%)





- Cyan (86%)
- Magenta (40%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0812, 24.7425, 24.6971 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 16.0812, 24.7425, 24.6971 by changing the saturation by 10% instead.


 16.0812, 24.7425,
24.6971


 16.0812, 24.7425,
24.6971


223.0814,
276.5531, 289.7253


 9.6728, 15.8853,
15.6346


 36.2954, 51.2392,
52.1234


 5.2432, 9.4430,
9.1144


 50.8320, 69.6475,
71.3243


 2.4269, 5.0313,
4.7180

 68.8087, 92.0082,
94.7417

 0.8585, 2.2656,
2.0270

 90.5909, 118.7059,
122.7941

 0.0000, 0.7554,
0.5718

 116.5439,
150.1248, 155.9002

 0.0000, 0.0000,
0.0000

 147.0330,

186.6494, 194.4784

182.4238,
228.6640, 238.9472

■ 16.0812, 24.7425,
24.6971

■ 16.0812, 24.7425,
24.6971

■ 15.4517, 24.4423,
23.5956

■ 16.9468, 25.1648,
25.8442

■ 15.0172, 24.2413,
22.5359

■ 18.0722, 25.7198,
27.0366

■ 14.8807, 24.1789,
22.1703

■ 19.4808, 26.4200,
28.2764

■ 21.1926, 27.2757,
29.5646

■ 23.2256, 28.2963,
30.9025

■ 25.5967, 29.4903,
32.2911

■ 28.3215, 30.8659,
33.7314

■ 31.4143, 32.4305,
35.2244

■ 34.8892, 34.1912,
36.7710

Harmonies

Analogous

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



17.2964, 24.7425, 15.2112



16.0812, 24.7425, 24.6971



16.6479, 24.7425, 38.2568

Triad

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



16.0812, 24.7425, 24.6971



27.1929, 24.7425, 55.4338



28.7603, 24.7425, 11.6706

Complementary

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



16.0812, 24.7425, 24.6971



14.5841, 8.3609, 5.1209

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.



32.0553, 24.7425, 18.1096



16.0812, 24.7425, 24.6971



31.0745, 24.7425, 43.5342

Square

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



16.0812, 24.7425, 24.6971



22.7201, 24.7425, 58.8452



32.9508, 24.7425, 29.3155



24.3323, 24.7425, 9.3405

Rectangle

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



16.0812, 24.7425, 24.6971



18.0013, 24.7425, 47.6705



32.9508, 24.7425, 29.3155



30.0580, 24.7425, 13.3066

Sweetspot

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



16.0819, 24.7435, 24.6977



42.8076, 51.2846, 56.0806



13.6565, 23.9141, 5.5655



9.1563, 11.1752, 12.2025



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.



16.0819, 24.7435, 24.6977



27.0776, 43.4962, 40.8540



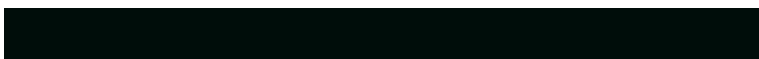
13.1765, 16.0728, 32.5460



6.3303, 7.0048, 7.6626



12.3103, 19.9876, 18.3867



0.1963, 0.3037, 0.3393

Inverse Universe

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



14.5841, 8.3609, 5.1209



24.3637, 12.7576, 4.6011



15.5935, 11.1752, 3.0046



6.2581, 6.2424, 6.7391



11.0763, 5.6848, 1.6611



0.1766, 0.0894, 0.0831

Previews

White Background



This preview shows how the XYZ color 16.0812, 24.7425, 24.6971 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 16.0812, 24.7425, 24.6971 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 16.0812, 24.7425, 24.6971

Background



This preview shows how black text looks on a background with the XYZ color 16.0812, 24.7425, 24.6971.

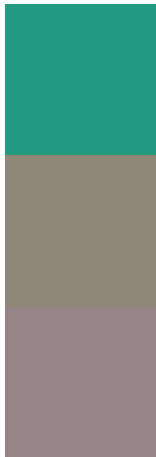


This preview shows how white text looks on a background with the XYZ color 16.0812, 24.7425,

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

16.0812, 24.7425, 24.6971

Protanopia

23.1491, 24.4106, 20.9444

Deuteranopia

24.8138, 24.3434, 25.9452



Tritanopia

18.7560, 24.8803, 37.5321

Trichromacy



Original Color

16.0812, 24.7425, 24.6971

Protanomaly

18.8417, 23.6596, 22.3126

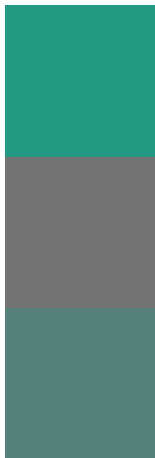
Deuteranomaly

19.5818, 23.3193, 25.2988

Tritanomaly

17.5501, 24.6110, 32.2592

Monochromacy



Original Color

16.0812, 24.7425, 24.6971

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.0782, 19.0350, 20.6487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0812, 24.7425, 24.6971 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(36, 153, 129)` looks like.

```
.text, #text, p{  
  color:rgb(36, 153, 129)  
}
```

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(36, 153, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 153, 129) }
```

Border

The CSS property to change the border of an element to XYZ 16.0812, 24.7425, 24.6971 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(36, 153, 129) }
```


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

```
.border{ border-color:rgb(36, 153, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 153, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 153, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 153, 129);  
box-shadow:4px 4px 4px 4px rgb(36, 153,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0812, 24.7425, 24.6971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 153, 129) }
```

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

```
.background{ background-color: rgb(36, 153,  
129) }
```

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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