

Converting Colors

XYZ(15.1759, 23.5580, 21.6938)

Have a look what the booklet for
XYZ(15.1759, 23.5580, 21.6938)
contains.

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Color

**XYZ(15.2326, 23.6443,
21.8501)**

Conversions

Conversions Part 1

Format	Color
Hex	289679
RGB	40, 150, 121
RGB Percent	16%, 59%, 47%
CMY	0.8431, 0.4118, 0.5255
CMYK	0.73, 0.00, 0.19, 0.41
HSL	164°, 58%, 37%
HSV	164°, 73%, 59%
XYZ	15.2326, 23.6443, 21.8501
YIQ	113.8040, -56.2510, -32.3390

Conversions

Conversions Part 2

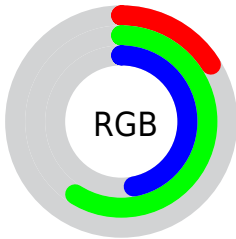
Format	Color
RYB	40, 103, 150
Decimal	2659961
CIELab	55.73, -37.59, 6.58
CIElCh	56, 38.161, 170.071
Yxy	23.6443, 0.2508, 0.3894
Android (android.graphics.Color)	4280850041 (0xFF289679)
YUV	113.8040, 3.5476, -64.7261
Hunter-Lab	48.6254, -29.1768, 7.3955

Details

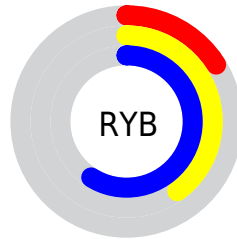
The XYZ color **15.2326, 23.6443, 21.8501** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.4114, 8.4319, 6.4991**, and the grayscale version is **15.9380, 16.7680, 18.2603**.

A 20% lighter version of the original color is **34.8536, 49.5046, 47.2535**, and **5.5374, 9.2032, 7.6154** is the 20% darker color. If you saturate the color by 10%, you get **14.5214, 23.3057, 20.5770**, and if you desaturate by 10%, it is **16.1814, 24.1054, 23.1873**.

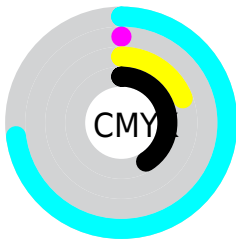
Distribution



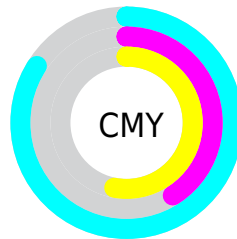
- Red (16%)
- Green (59%)
- Blue (47%)



- Red (16%)
- Yellow (40%)
- Blue (59%)



- Cyan (73%)
- Magenta (0%)
- Yellow (19%)
- Black (41%)



- Cyan (84%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2326, 23.6443, 21.8501 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 15.2326, 23.6443, 21.8501 by changing the saturation by 10% instead.

■ 15.2326, 23.6443,
21.8501

■ 15.2326, 23.6443,
21.8501

218.1304,
271.0172, 274.6904

■ 9.0702, 15.0700,
13.5495

■ 34.8290, 49.4491,
47.3971

■ 4.8445, 8.8685,
7.6729

■ 48.9937, 67.4484,
65.4807

■ 2.1901, 4.6555,
3.8016

■ 66.5566, 89.3581,
87.6623

■ 0.7375, 2.0466,
1.5171

■ 87.8829, 115.5627,
114.3605

■ 0.0000, 0.6343,
0.2306

■ 113.3381,
146.4465, 145.9939

■ 0.0000, 0.0000,
0.0000

■ 143.2875,

182.3939, 182.9810

178.0965,
223.7894, 225.7403

■ 15.2326, 23.6443,
21.8501

■ 15.2326, 23.6443,
21.8501

■ 14.5214, 23.3057,
20.5770

■ 16.1814, 24.1054,
23.1873

■ 14.0178, 23.0724,
19.3644

■ 17.3894, 24.6984,
24.5886

■ 13.7460, 22.9492,
18.5869

■ 18.8779, 25.4348,
26.0561

■ 20.6654, 26.3241,
27.5914

■ 22.7687, 27.3751,
29.1957

■ 25.2036, 28.5958,
30.8703

■ 27.9846, 29.9937,
32.6166

■ 31.1253, 31.5758,
34.4356

■ 34.6387, 33.3487,
36.3286

Harmonies

Analogous

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



16.6769, 23.6443, 13.2779



15.2326, 23.6443, 21.8501



15.5283, 23.6443, 34.8200

Triad

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



15.2326, 23.6443, 21.8501



25.4516, 23.6443, 55.2435



28.2485, 23.6443, 11.4526

Complementary

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



15.2326, 23.6443, 21.8501



14.4114, 8.4319, 6.4991

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.



31.2304, 23.6443, 18.4014



15.2326, 23.6443, 21.8501



29.4774, 23.6443, 44.2702

Square

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



15.2326, 23.6443, 21.8501



21.0687, 23.6443, 57.0775



31.7069, 23.6443, 30.0764



23.9388, 23.6443, 8.6819

Rectangle

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



15.2326, 23.6443, 21.8501



16.6878, 23.6443, 44.3352



31.7069, 23.6443, 30.0764



29.4615, 23.6443, 13.2488

Sweetspot

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



15.2333, 23.6452, 21.8507



40.5417, 48.4902, 51.7822



13.7681, 23.2443, 5.7688



8.7725, 10.6399, 11.3218



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.2333, 23.6452, 21.8507



25.0182, 40.8445, 34.9302



13.6303, 17.1530, 31.4477



5.8995, 6.5364, 7.0817



11.4139, 19.0383, 15.4868



0.1519, 0.2379, 0.2536

Inverse Universe

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



14.4114, 8.4319, 6.4991



23.5585, 12.4859, 6.6725



14.8902, 10.4955, 3.2489



5.8599, 5.8390, 6.3681



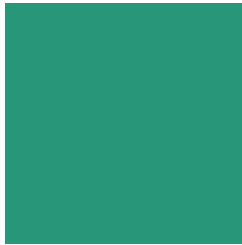
10.7548, 5.5070, 2.1897



0.1424, 0.0717, 0.0836

Previews

White Background



This preview shows how the XYZ color 15.2326, 23.6443, 21.8501 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 15.2326, 23.6443, 21.8501 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 15.2326, 23.6443, 21.8501

Background



This preview shows how black text looks on a background with the XYZ color 15.2326, 23.6443, 21.8501.

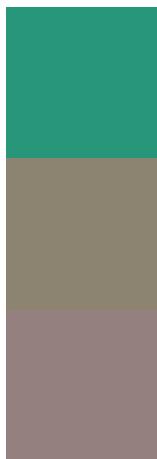


This preview shows how white text looks on a background with the XYZ color 15.2326, 23.6443,

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

15.2326, 23.6443, 21.8501

Protanopia

21.9911, 23.2478, 18.6575

Deuteranopia

23.6978, 23.2406, 22.9755



Tritanopia

17.9561, 23.5847, 35.5042

Trichromacy



Original Color

15.2326, 23.6443, 21.8501

Protanomaly

18.0361, 22.6461, 19.6402

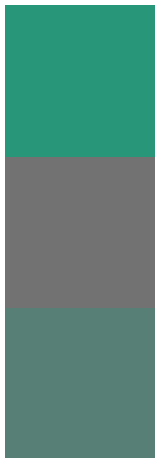
Deuteranomaly

18.7489, 22.3148, 22.3878

Tritanomaly

16.8330, 23.5849, 30.0507

Monochromacy



Original Color

15.2326, 23.6443, 21.8501

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.7307, 18.4893, 19.6220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2326, 23.6443, 21.8501 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(40, 150, 121)` looks like.

```
.text, #text, p{  
    color:rgb(40, 150, 121)  
}
```

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(40, 150, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 150, 121) }
```

Border

The CSS property to change the border of an element to XYZ 15.2326, 23.6443, 21.8501 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(40, 150, 121) }
```


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

```
.border{ border-color:rgb(40, 150, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 150, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 150, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 150, 121);  
box-shadow:4px 4px 4px 4px rgb(40, 150,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2326, 23.6443, 21.8501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 150, 121) }
```

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

```
.background{ background-color: rgb(40, 150,  
121) }
```

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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