

Converting Colors

XYZ(15.6658, 23.9580, 22.6593)

Have a look what the booklet for
XYZ(15.6658, 23.9580, 22.6593)
contains.

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Color

**XYZ(15.5637, 23.8006,
22.5126)**

Conversions

Conversions Part 1

Format	Color
Hex	2D967B
RGB	45, 150, 123
RGB Percent	18%, 59%, 48%
CMY	0.8235, 0.4118, 0.5176
CMYK	0.70, 0.00, 0.18, 0.41
HSL	165°, 54%, 38%
HSV	165°, 70%, 59%
XYZ	15.5637, 23.8006, 22.5126
YIQ	115.5270, -53.9130, -30.6570

Conversions

Conversions Part 2

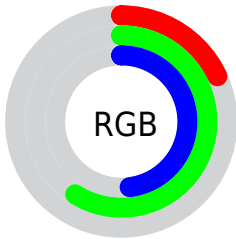
Format	Color
R_{YB}	45, 105, 150
Decimal	2987643
CIE _{Lab}	55.89, -36.32, 5.68
CIE _{LCh}	56, 36.757, 171.110
Yxy	23.8006, 0.2515, 0.3846
Android (android.graphics.Color)	4281177723 (0xFF2D967B)
YUV	115.5270, 3.6842, -61.8522
Hunter-Lab	48.7859, -28.4301, 6.7903

Details

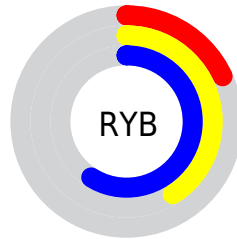
The XYZ color **15.5637, 23.8006, 22.5126** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.6866, 8.8294, 7.0621**, and the grayscale version is **16.4575, 17.3146, 18.8556**.

A 20% lighter version of the original color is **35.3949, 49.7610, 48.2968**, and **5.6037, 9.2298, 7.9647** is the 20% darker color. If you saturate the color by 10%, you get **14.7807, 23.4249, 21.2405**, and if you desaturate by 10%, it is **16.5921, 24.3029, 23.8469**.

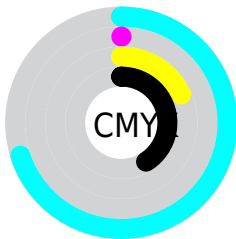
Distribution



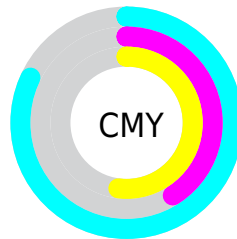
- Red (18%)
- Green (59%)
- Blue (48%)



- Red (18%)
- Yellow (41%)
- Blue (59%)



- Cyan (70%)
- Magenta (0%)
- Yellow (18%)
- Black (41%)



- Cyan (82%)
- Magenta (41%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5637, 23.8006, 22.5126 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 15.5637, 23.8006, 22.5126 by changing the saturation by 10% instead.

■ 15.5637, 23.8006,
22.5126

■ 15.5637, 23.8006,
22.5126

220.0746,
271.8108, 278.2520

■ 9.3048, 15.1858,
14.0321

■ 35.4027, 49.7046,
48.5048

■ 4.9992, 8.9499,
8.0040

■ 49.7135, 67.7626,
66.8535

■ 2.2816, 4.7085,
4.0097

■ 67.4390, 89.7371,
89.3288

■ 0.7852, 2.0773,
1.6307

■ 88.9446, 116.0124,
116.3492

■ 0.0000, 0.6518,
0.3126

■ 114.5956,
146.9731, 148.3331

■ 0.0000, 0.0000,
0.0000

■ 144.7574,

183.0035, 185.6992

179.7953,
224.4879, 228.8660

■ 15.5637, 23.8006,
22.5126

■ 15.5637, 23.8006,
22.5126

■ 14.7807, 23.4249,
21.2405

■ 16.5921, 24.3029,
23.8469

■ 14.2148, 23.1594,
20.0272

■ 17.8863, 24.9405,
25.2433

■ 13.7997, 22.9706,
18.8695

■ 19.4669, 25.7247,
26.7039

■ 13.7996, 22.9706,
18.8692

■ 21.3518, 26.6645,
28.2301

■ 23.5575, 27.7686,
29.8232

■ 26.0991, 29.0447,
31.4843

■ 28.9909, 30.5002,
33.2148

■ 32.2464, 32.1420,
35.0156

■ 35.8781, 33.9765,
36.8879

Harmonies

Analogous

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



16.9164, 23.8006, 13.9674



15.5637, 23.8006, 22.5126



15.9119, 23.8006, 35.1373

Triad

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



15.5637, 23.8006, 22.5126



25.6469, 23.8006, 53.9231



28.0619, 23.8006, 11.7927

Complementary

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



15.5637, 23.8006, 22.5126



14.6866, 8.8294, 7.0621

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.



30.9938, 23.8006, 18.4662



15.5637, 23.8006, 22.5126



29.4843, 23.8006, 43.2525

Square

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



15.5637, 23.8006, 22.5126



21.4003, 23.8006, 56.0202



31.5442, 23.8006, 29.6436



23.8888, 23.8006, 9.1581

Rectangle

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



15.5637, 23.8006, 22.5126



17.0821, 23.8006, 44.2226



31.5442, 23.8006, 29.6436



29.2457, 23.8006, 13.5191

Sweetspot

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



15.5644, 23.8015, 22.5132



40.9855, 48.7097, 52.2240



14.1285, 23.4196, 6.2589



8.8627, 10.6844, 11.4183



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.



15.5644, 23.8015, 22.5132



25.4749, 41.0510, 36.2595



13.9851, 17.5550, 31.5065



5.9011, 6.5370, 7.0899



11.4581, 19.0560, 15.7200



0.1522, 0.2380, 0.2555

Inverse Universe

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



14.6866, 8.8294, 7.0621



23.8854, 12.9026, 7.5126



15.2111, 10.9923, 3.8031



5.8584, 5.8384, 6.3604



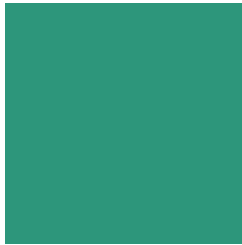
10.7412, 5.5015, 2.1181



0.1420, 0.0716, 0.0817

Previews

White Background



This preview shows how the XYZ color 15.5637, 23.8006, 22.5126 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 15.5637, 23.8006, 22.5126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

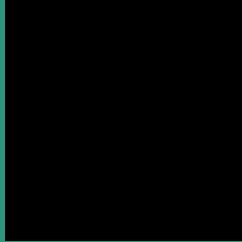
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.5637, 23.8006, 22.5126

Background



This preview shows how black text looks on a background with the XYZ color 15.5637, 23.8006, 22.5126.



This preview shows how white text looks on a background with the XYZ color 15.5637, 23.8006,

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

15.5637, 23.8006, 22.5126

Protanopia

22.2400, 23.5654, 19.2960

Deuteranopia

23.9593, 23.5549, 23.7058



Tritanopia

18.1357, 23.6772, 35.5126

Trichromacy



Original Color

15.5637, 23.8006, 22.5126

Protanomaly

18.2692, 22.7528, 20.2585

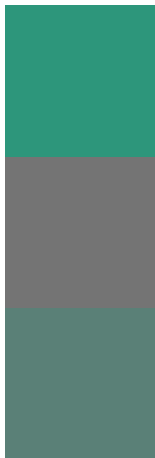
Deuteranomaly

19.2671, 22.7772, 23.1196

Tritanomaly

17.1201, 23.7240, 30.4649

Monochromacy



Original Color

15.5637, 23.8006, 22.5126

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.2654, 18.9439, 20.3047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5637, 23.8006, 22.5126 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(45, 150, 123)` looks like.

```
.text, #text, p{  
    color:rgb(45, 150, 123)  
}
```

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(45, 150, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 150, 123) }
```

Border

The CSS property to change the border of an element to XYZ 15.5637, 23.8006, 22.5126 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(45, 150, 123) }
```


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

```
.border{ border-color:rgb(45, 150, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 150, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 150, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 150, 123);  
box-shadow:4px 4px 4px 4px rgb(45, 150,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5637, 23.8006, 22.5126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 150, 123) }
```

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

```
.background{ background-color: rgb(45, 150,  
123) }
```

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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