

Converting Colors

XYZ(15.7721, 25.4557, 18.7635)

Have a look what the booklet for
XYZ(15.7721, 25.4557, 18.7635)
contains.

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Color

**XYZ(15.7851, 25.4606,
18.8343)**

Conversions

Conversions Part 1

Format	Color
Hex	2D9C6E
RGB	45, 156, 110
RGB Percent	18%, 61%, 43%
CMY	0.8235, 0.3882, 0.5686
CMYK	0.71, 0.00, 0.29, 0.39
HSL	155°, 55%, 39%
HSV	155°, 71%, 61%
XYZ	15.7851, 25.4606, 18.8343
YIQ	117.5670, -51.3900, -37.8380

Conversions

Conversions Part 2

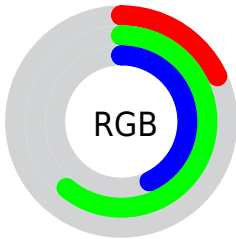
Format	Color
RYB	45, 115, 156
Decimal	2989166
CIELab	57.52, -42.07, 15.32
CIELCh	58, 44.772, 159.984
Yxy	25.4606, 0.2627, 0.4238
Android (android.graphics.Color)	4281179246 (0xFF2D9C6E)
YUV	117.5670, -3.7305, -63.6413
Hunter-Lab	50.4585, -32.4616, 13.1902

Details

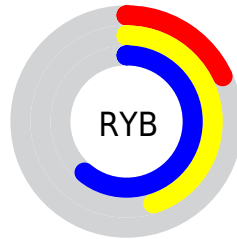
The XYZ color **15.7851, 25.4606, 18.8343** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.5378, 9.7005, 10.8991**, and the grayscale version is **17.1080, 17.9989, 19.6008**.

A 20% lighter version of the original color is **35.7597, 52.2613, 42.3851**, and **5.8198, 10.2484, 6.2288** is the 20% darker color. If you saturate the color by 10%, you get **14.8823, 25.0350, 17.0215**, and if you desaturate by 10%, it is **16.9686, 26.0292, 20.7955**.

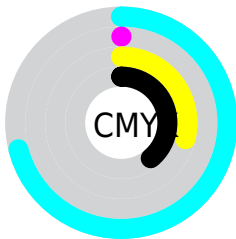
Distribution



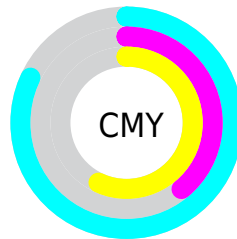
- Red (18%)
- Green (61%)
- Blue (43%)



- Red (18%)
- Yellow (45%)
- Blue (61%)



- Cyan (71%)
- Magenta (0%)
- Yellow (29%)
- Black (39%)



- Cyan (82%)
- Magenta (39%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7851, 25.4606, 18.8343 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 15.7851, 25.4606, 18.8343 by changing the saturation by 10% instead.

■ 15.7851, 25.4606,
18.8343

■ 15.7851, 25.4606,
18.8343

■ 221.3657,
280.1241, 257.9246

■ 9.4621, 16.4206,
11.3750

■ 35.7852, 52.4035,
42.2869

■ 5.1033, 9.8222,
6.2023

■ 50.1930, 71.0751,
59.1173

■ 2.3434, 5.2813,
2.8977

■ 68.0264, 93.7260,
79.9084

■ 0.8167, 2.4132,
1.0427

■ 89.6509, 120.7406,
105.0789

■ 0.0000, 0.8327,
0.0000

■ 115.4317,
152.5033, 135.0472

■ 0.0000, 0.0000,
0.0000

■ 145.7341,

189.3986, 170.2319

180.9237,
231.8107, 211.0515

■ 15.7851, 25.4606,
18.8343

■ 15.7851, 25.4606,
18.8343

■ 14.8823, 25.0350,
17.0215

■ 16.9686, 26.0292,
20.7955

■ 14.2280, 24.7340,
15.3510

■ 18.4565, 26.7510,
22.9072

■ 13.7925, 24.5393,
13.9868

■ 20.2718, 27.6386,
25.1738

■ 22.4351, 28.7024,
27.5988

■ 24.9649, 29.9519,
30.1857

■ 27.8786, 31.3961,
32.9376

■ 31.1923, 33.0432,
35.8578

■ 34.9212, 34.9009,
38.9493

■ 39.0797, 36.9767,
42.2150

Harmonies

Analogous

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



18.1891, 25.4606, 10.7565



15.7851, 25.4606, 18.8343



15.4385, 25.4606, 33.1330

Triad

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



15.7851, 25.4606, 18.8343



26.0216, 25.4606, 67.8817



32.9399, 25.4606, 12.8069

Complementary

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



15.7851, 25.4606, 18.8343



16.5378, 9.7005, 10.8991

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.



35.7716, 25.4606, 22.9352



15.7851, 25.4606, 18.8343



31.4066, 25.4606, 56.8704

Square

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



15.7851, 25.4606, 18.8343



20.8558, 25.4606, 65.4948



35.1725, 25.4606, 39.0413



27.8828, 25.4606, 8.2685

Rectangle

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



15.7851, 25.4606, 18.8343



16.3583, 25.4606, 45.1457



35.1725, 25.4606, 39.0413



34.2150, 25.4606, 15.4811

Sweetspot

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



15.7858, 25.4616, 18.8349



45.2122, 54.3351, 54.6964



16.7019, 26.2043, 6.6605



9.6788, 11.8226, 11.7674



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.7858, 25.4616, 18.8349



26.3203, 45.1406, 29.2055



17.4786, 23.7489, 35.1165



6.7054, 7.4629, 7.8834



11.3779, 20.2191, 11.6127



0.2242, 0.3698, 0.3168

Inverse Universe

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



16.5378, 9.7005, 10.8991



27.8027, 14.7651, 14.0752



15.5155, 9.9196, 3.5798



6.7413, 6.6895, 7.4891



12.0872, 6.1394, 4.7101



0.2367, 0.1180, 0.1924

Previews

White Background



This preview shows how the XYZ color 15.7851, 25.4606, 18.8343 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 15.7851, 25.4606, 18.8343 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 15.7851, 25.4606, 18.8343

Background



This preview shows how black text looks on a background with the XYZ color 15.7851, 25.4606, 18.8343.



This preview shows how white text looks on a background with the XYZ color 15.7851, 25.4606,

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

15.7851, 25.4606, 18.8343

Protanopia

23.3272, 25.0339, 15.9145

Deuteranopia

25.4463, 25.0094, 19.7058



Tritanopia

19.5838, 25.2968, 38.0330

Trichromacy



Original Color

15.7851, 25.4606, 18.8343



Protanomaly

18.9024, 24.2610, 16.7833



Deuteranomaly

19.8416, 24.0239, 19.2141



Tritanomaly

17.9898, 25.3694, 29.9352

Monochromacy



Original Color

15.7851, 25.4606, 18.8343



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.6602, 19.9645, 19.2478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7851, 25.4606, 18.8343 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, 156, 110)` looks like.

```
.text, #text, p{  
    color:rgb(45, 156, 110)  
}
```

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, 156, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 156, 110) }
```

Border

The CSS property to change the border of an element to XYZ 15.7851, 25.4606, 18.8343 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, 156, 110) }
```


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

```
.border{ border-color:rgb(45, 156, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 156, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 156, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 156, 110);  
box-shadow:4px 4px 4px 4px rgb(45, 156,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7851, 25.4606, 18.8343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 156, 110) }
```

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

```
.background{ background-color: rgb(45, 156,  
110) }
```

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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