

Converting Colors

XYZ(14.9528, 25.4635, 17.6594)

Have a look what the booklet for
XYZ(14.9528, 25.4635, 17.6594)
contains.

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Color

**XYZ(15.0421, 25.6045,
17.7850)**

Conversions

Conversions Part 1

Format	Color
Hex	109E6A
RGB	16, 158, 106
RGB Percent	6%, 62%, 42%
CMY	0.9372, 0.3804, 0.5843
CMYK	0.90, 0.00, 0.33, 0.38
HSL	158°, 82%, 34%
HSV	158°, 90%, 62%
XYZ	15.0421, 25.6045, 17.7850
YIQ	109.6140, -67.9400, -46.2760

Conversions

Conversions Part 2

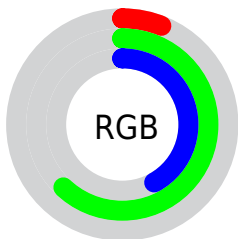
Format	Color
RYB	16, 103, 158
Decimal	1089130
CIELab	57.66, -47.04, 17.67
CIELCh	58, 50.255, 159.411
Yxy	25.6045, 0.2574, 0.4382
Android (android.graphics.Color)	4279279210 (0xFF109E6A)
YUV	109.6140, -1.7817, -82.0995
Hunter-Lab	50.6009, -35.4890, 14.5816

Details

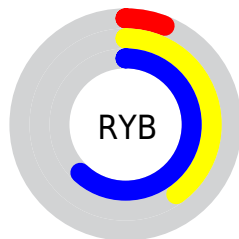
The XYZ color **15.0421, 25.6045, 17.7850** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.3303, 8.0578, 6.2180**, and the grayscale version is **14.7306, 15.4977, 16.8770**.

A 20% lighter version of the original color is **34.6318, 52.8371, 40.7210**, and **5.8153, 10.4086, 5.7056** is the 20% darker color. If you saturate the color by 10%, you get **14.5406, 25.3803, 16.2437**, and if you desaturate by 10%, it is **15.7300, 25.9238, 19.4421**.

Distribution



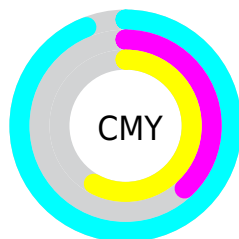
- Red (6%)
- Green (62%)
- Blue (42%)



- Red (6%)
- Yellow (40%)
- Blue (62%)



- Cyan (90%)
- Magenta (0%)
- Yellow (33%)
- Black (38%)



- Cyan (94%)
- Magenta (38%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0421, 25.6045, 17.7850 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 15.0421, 25.6045, 17.7850 by changing the saturation by 10% instead.

■ 15.0421, 25.6045,
17.7850

■ 15.0421, 25.6045,
17.7850

217.0042,
280.8352, 251.8517

■ 8.9354, 16.5280,
10.6279

■ 34.4981, 52.6362,
40.4796

■ 4.7559, 9.8985,
5.7062

■ 48.5781, 71.3602,
56.8542

■ 2.1380, 5.3317,
2.6014

■ 66.0466, 94.0688,
77.1384

■ 0.7098, 2.4432,
0.8932

■ 87.2690, 121.1465,
101.7506

■ 0.0000, 0.8480,
0.0000

■ 112.6106,
152.9776, 131.1096

■ 0.0000, 0.0000,
0.0000

■ 142.4368,

189.9464, 165.6337

177.1129,
232.4375, 205.7415

■ 15.0421, 25.6045,
17.7850

■ 15.0421, 25.6045,
17.7850

■ 14.5406, 25.3803,
16.2437

■ 15.7300, 25.9238,
19.4421

■ 14.5342, 25.3774,
16.2239

■ 16.6727, 26.3715,
21.2187

■ 17.9014, 26.9641,
23.1186

■ 19.4416, 27.7149,
25.1451

■ 21.3164, 28.6356,
27.3010

■ 23.5462, 29.7367,
29.5891

■ 26.1499, 31.0281,
32.0120

■ 29.1451, 32.5186,
34.5724

■ 32.5482, 34.2167,
37.2727

Harmonies

Analogous

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



17.7121, 25.6045, 9.3297



15.0421, 25.6045, 17.7850



14.6233, 25.6045, 33.6485

Triad

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



15.0421, 25.6045, 17.7850



26.2753, 25.6045, 74.9339



34.4010, 25.6045, 11.7038

Complementary

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



15.0421, 25.6045, 17.7850



15.3303, 8.0578, 6.2180

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.



37.6097, 25.6045, 22.8097



15.0421, 25.6045, 17.7850



32.4350, 25.6045, 62.0631

Square

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



15.0421, 25.6045, 17.7850



20.4945, 25.6045, 71.7546



36.8364, 25.6045, 41.2119



28.6305, 25.6045, 6.9567

Rectangle

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



15.0421, 25.6045, 17.7850



15.5938, 25.6045, 47.4942



36.8364, 25.6045, 41.2119



35.8548, 25.6045, 14.5801

Sweetspot

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



15.0428, 25.6055, 17.7856



43.8023, 54.5169, 54.7389



14.7100, 25.7237, 4.6805



9.5561, 12.1328, 12.0317



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.0428, 25.6055, 17.7856



26.2943, 46.0440, 28.9409



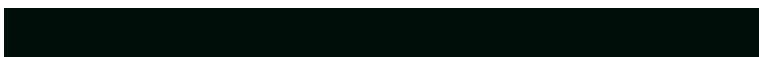
15.6285, 21.0646, 35.5911



6.7187, 7.4682, 7.9532



11.6594, 20.3317, 13.0954



0.2282, 0.3714, 0.3381

Inverse Universe

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



15.3303, 8.0578, 6.2180



26.8987, 13.7175, 8.0028



14.7940, 8.5055, 1.3526



6.7285, 6.6843, 7.4212



11.9196, 6.0724, 3.8279



0.2326, 0.1164, 0.1711

Previews

White Background



This preview shows how the XYZ color 15.0421, 25.6045, 17.7850 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 15.0421, 25.6045, 17.7850 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 15.0421, 25.6045, 17.7850

Background



This preview shows how black text looks on a background with the XYZ color 15.0421, 25.6045, 17.7850.



This preview shows how white text looks on a background with the XYZ color 15.0421, 25.6045,

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

15.0421, 25.6045, 17.7850

Protanopia

23.3161, 25.0503, 14.9156

Deuteranopia

25.6731, 25.1460, 18.8298



Tritanopia

19.3084, 25.6183, 38.5775

Trichromacy



Original Color

15.0421, 25.6045, 17.7850

Protanomaly

17.6812, 23.8802, 15.7340

Deuteranomaly

18.5237, 23.3637, 18.2852

Tritanomaly

17.3525, 25.5356, 29.6055

Monochromacy



Original Color

15.0421, 25.6045, 17.7850

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.3302, 17.8194, 17.2049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0421, 25.6045, 17.7850 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(16, 158, 106)` looks like.

```
.text, #text, p{  
    color:rgb(16, 158, 106)  
}
```

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(16, 158, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 158, 106) }
```

Border

The CSS property to change the border of an element to XYZ 15.0421, 25.6045, 17.7850 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(16, 158, 106) }
```


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

```
.border{ border-color:rgb(16, 158, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 158, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 158, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 158, 106);  
box-shadow:4px 4px 4px 4px rgb(16, 158,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0421, 25.6045, 17.7850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 158, 106) }
```

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

```
.background{ background-color: rgb(16, 158,  
106) }
```

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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