

Converting Colors

XYZ(15.7278, 25.1053, 23.8208)

Have a look what the booklet for
XYZ(15.7278, 25.1053, 23.8208)
contains.

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Color

**XYZ(15.7009, 25.0592,
23.7480)**

Conversions

Conversions Part 1

Format	Color
Hex	109B7E
RGB	16, 155, 126
RGB Percent	6%, 61%, 49%
CMY	0.9372, 0.3921, 0.5059
CMYK	0.90, 0.00, 0.19, 0.39
HSL	167°, 81%, 34%
HSV	167°, 90%, 61%
XYZ	15.7009, 25.0592, 23.7480
YIQ	110.1330, -73.5350, -38.4870

Conversions

Conversions Part 2

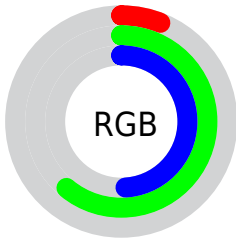
Format	Color
RYB	16, 94, 155
Decimal	1088382
CIELab	57.13, -40.88, 5.70
CIELCh	57, 41.278, 172.059
Yxy	25.0592, 0.2434, 0.3885
Android (android.graphics.Color)	4279278462 (0xFF109B7E)
YUV	110.1330, 7.8224, -82.5546
Hunter-Lab	50.0592, -31.6176, 6.9143

Details

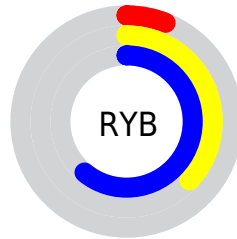
The XYZ color **15.7009, 25.0592, 23.7480** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.1774, 7.5293, 3.1899**, and the grayscale version is **14.8537, 15.6273, 17.0181**.

A 20% lighter version of the original color is **35.5969, 51.6232, 50.7359**, and **6.1898, 10.2363, 8.6707** is the 20% darker color. If you saturate the color by 10%, you get **15.2887, 24.8711, 22.6573**, and if you desaturate by 10%, it is **16.2805, 25.3341, 24.8829**.

Distribution



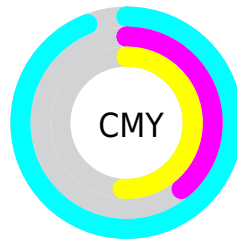
- Red (6%)
- Green (61%)
- Blue (49%)



- Red (6%)
- Yellow (37%)
- Blue (61%)



- Cyan (90%)
- Magenta (0%)
- Yellow (19%)
- Black (39%)



- Cyan (94%)
- Magenta (39%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7009, 25.0592, 23.7480 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 15.7009, 25.0592, 23.7480 by changing the saturation by 10% instead.

■ 15.7009, 25.0592,
23.7480

■ 15.7009, 25.0592,
23.7480

220.8755,
278.1326, 284.7894

■ 9.4023, 16.1212,
14.9363

■ 35.6398, 51.7532,
50.5573

■ 5.0637, 9.6099,
8.6286

■ 50.0108, 70.2780,
69.3921

■ 2.3198, 5.1411,
4.4062

■ 67.8033, 92.7672,
92.4049

■ 0.8048, 2.3303,
1.8507

■ 89.3826, 119.6052,
120.0143

■ 0.0000, 0.7897,
0.4611

■ 115.1142,
151.1763, 152.6390

■ 0.0000, 0.0000,
0.0000

■ 145.3632,

187.8650, 190.6973

180.4952,
230.0556, 234.6080

■ 15.7009, 25.0592,
23.7480

■ 15.7009, 25.0592,
23.7480

■ 15.2887, 24.8711,
22.6573

■ 16.2805, 25.3341,
24.8829

■ 15.2757, 24.8651,
22.6220

■ 17.0916, 25.7270,
26.0636

■ 18.1635, 26.2534,
27.2924

■ 19.5203, 26.9260,
28.5707

■ 21.1834, 27.7556,
29.8999

■ 23.1721, 28.7524,
31.2811

■ 25.5043, 29.9253,
32.7155

■ 28.1963, 31.2830,
34.2041

■ 31.2635, 32.8331,
35.7480

Harmonies

Analogous

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



17.1747, 25.0592, 13.9029



15.7009, 25.0592, 23.7480



16.1561, 25.0592, 38.6371

Triad

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



15.7009, 25.0592, 23.7480



27.5077, 25.0592, 60.4179



30.0466, 25.0592, 11.1385

Complementary

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



15.7009, 25.0592, 23.7480



14.1774, 7.5293, 3.1899

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.



33.5848, 25.0592, 18.4079



15.7009, 25.0592, 23.7480



31.9854, 25.0592, 47.3002

Square

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



15.7009, 25.0592, 23.7480



22.5486, 25.0592, 63.3603



34.3389, 25.0592, 31.1573



25.1342, 25.0592, 8.4202

Rectangle

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



15.7009, 25.0592, 23.7480



17.5246, 25.0592, 49.4609



34.3389, 25.0592, 31.1573



31.4623, 25.0592, 12.9830

Sweetspot

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



15.7016, 25.0602, 23.7486



42.3401, 51.9140, 56.5619



12.9477, 24.0647, 4.4532



9.3054, 11.6108, 12.6224



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.



15.7016, 25.0602, 23.7486



27.2859, 44.5011, 40.1422



12.3323, 14.8806, 33.2337



6.3293, 7.0045, 7.6578



12.2831, 19.9767, 18.2434



0.1960, 0.3036, 0.3380

Inverse Universe

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



14.1774, 7.5293, 3.1899



24.6271, 12.6474, 3.3368



14.9965, 9.7760, 1.5872



6.2589, 6.2427, 6.7436



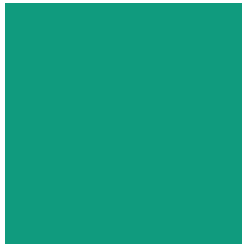
11.0824, 5.6872, 1.6932



0.1769, 0.0895, 0.0843

Previews

White Background



This preview shows how the XYZ color 15.7009, 25.0592, 23.7480 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 15.7009, 25.0592, 23.7480 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 15.7009, 25.0592, 23.7480

Background



This preview shows how black text looks on a background with the XYZ color 15.7009, 25.0592, 23.7480.



This preview shows how white text looks on a background with the XYZ color 15.7009, 25.0592,

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

15.7009, 25.0592, 23.7480

Protanopia

23.2842, 24.7089, 20.0651

Deuteranopia

25.1105, 24.7205, 24.9208



Tritanopia

18.6469, 25.0497, 38.0347

Trichromacy



Original Color

15.7009, 25.0592, 23.7480



Protanomaly

18.1424, 23.5424, 21.3572



Deuteranomaly

18.8200, 23.1659, 24.2484



Tritanomaly

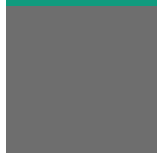
17.3806, 25.0015, 32.3435

Monochromacy



Original Color

15.7009, 25.0592, 23.7480



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.5937, 17.7192, 19.2267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7009, 25.0592, 23.7480 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, 155, 126)` looks like.

```
.text, #text, p{  
  color:rgb(16, 155, 126)  
}
```

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, 155, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 155, 126) }
```

Border

The CSS property to change the border of an element to XYZ 15.7009, 25.0592, 23.7480 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, 155, 126) }
```


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

```
.border{ border-color:rgb(16, 155, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 155, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 155, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 155, 126);  
box-shadow:4px 4px 4px 4px rgb(16, 155,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7009, 25.0592, 23.7480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 155, 126) }
```

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

```
.background{ background-color: rgb(16, 155,  
126) }
```

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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