

Converting Colors

XYZ(10.0029, 15.8773, 9.6701)

Have a look what the booklet for
XYZ(10.0029, 15.8773, 9.6701)
contains.

XYZ(10.0242, 15.8954, 9.7475)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.0242, 15.8954,
9.7475)**

Conversions

Conversions Part 1

Format	Color
Hex	327D4E
RGB	50, 125, 78
RGB Percent	20%, 49%, 31%
CMY	0.8039, 0.5098, 0.6941
CMYK	0.60, 0.00, 0.38, 0.51
HSL	142°, 43%, 34%
HSV	142°, 60%, 49%
XYZ	10.0242, 15.8954, 9.7475
YIQ	97.2170, -29.6130, -30.5170

Conversions

Conversions Part 2

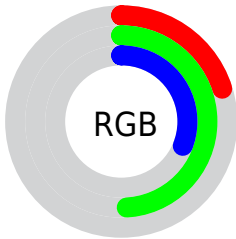
Format	Color
RYB	50, 105, 125
Decimal	3308878
CIELab	46.84, -34.62, 18.87
CIELCh	47, 39.425, 151.404
Yxy	15.8954, 0.2810, 0.4457
Android (android.graphics.Color)	4281498958 (0xFF327D4E)
YUV	97.2170, -9.4740, -41.4093
Hunter-Lab	39.8690, -24.8909, 13.4126

Details

The XYZ color **10.0242, 15.8954, 9.7475** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **11.7563, 7.5047, 12.1390**, and the grayscale version is **11.4439, 12.0399, 13.1114**.

A 20% lighter version of the original color is **25.3447, 36.2567, 25.7411**, and **2.7906, 5.1420, 2.2843** is the 20% darker color. If you saturate the color by 10%, you get **9.2258, 15.5148, 8.3305**, and if you desaturate by 10%, it is **11.0253, 16.3775, 11.3494**.

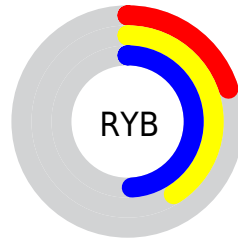
Distribution



Red (20%)

Green (49%)

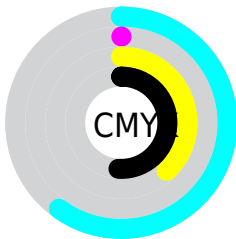
Blue (31%)



Red (20%)

Yellow (41%)

Blue (49%)

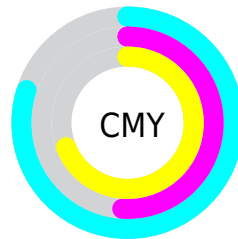


Cyan (60%)

Magenta (0%)

Yellow (38%)

Black (51%)



Cyan (80%)


Magenta (51%)


Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0242, 15.8954, 9.7475 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 10.0242, 15.8954, 9.7475 by changing the saturation by 10% instead.

 10.0242, 15.8954,
9.7475


 10.0242, 15.8954,
9.7475


184.8947,
228.7237, 199.2792


 5.4774, 9.4502,
5.1285


 25.4903, 36.4165,
25.9198


 2.5676, 5.0360,
2.2628

 37.1402, 51.2612,
38.3102


 0.9295, 2.2684,
0.7103

 51.8887, 69.6745,
54.1281

 0.0000, 0.7569,
0.0000

 70.1009, 92.0407,
73.7920

 0.0000, 0.0000,
0.0000

 92.1422, 118.7444,
97.7206

 118.3781,

150.1699, 126.3323

149.1738,
186.7015, 160.0456

■ 10.0242, 15.8954,
9.7475

■ 10.0242, 15.8954,
9.7475

■ 9.2258, 15.5148,
8.3305

■ 11.0253, 16.3775,
11.3494

■ 8.6136, 15.2260,
7.0905

■ 12.2413, 16.9660,
13.1415

■ 8.1703, 15.0207,
6.0206

■ 13.6852, 17.6678,
15.1303

■ 7.8403, 14.8704,
5.1112

■ 15.3683, 18.4887,
17.3217

■ 7.8403, 14.8703,
5.1111

■ 17.3011, 19.4340,
19.7212

■ 19.4938, 20.5088,
22.3343

■ 21.9556, 21.7178,
25.1661

■ 24.6956, 23.0655,
28.2215

■ 27.7222, 24.5563,
31.5054

Harmonies

Analogous

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



11.9245, 15.8954, 5.6709



10.0242, 15.8954, 9.7475



9.4258, 15.8954, 17.7745

Triad

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



10.0242, 15.8954, 9.7475



15.2703, 15.8954, 43.9015



21.4677, 15.8954, 9.2108

Complementary

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



10.0242, 15.8954, 9.7475



11.7563, 7.5047, 12.1390

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.



22.7099, 15.8954, 16.8486



10.0242, 15.8954, 9.7475



18.8132, 15.8954, 38.9619

Square

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



10.0242, 15.8954, 9.7475



12.1652, 15.8954, 39.7625



21.6727, 15.8954, 28.0176



18.4910, 15.8954, 5.4537

Rectangle

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



10.0242, 15.8954, 9.7475



9.7605, 15.8954, 25.1591



21.6727, 15.8954, 28.0176



22.1206, 15.8954, 11.2871

Sweetspot

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



10.0246, 15.8960, 9.7479



28.0309, 33.3572, 31.6647



12.8931, 17.4672, 5.7099



6.1953, 7.4993, 6.9734



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.0246, 15.8960, 9.7479



16.0727, 27.5700, 14.0499



11.7441, 16.5838, 18.8024



4.3373, 4.8432, 4.9473



8.1794, 15.5183, 5.3172



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7563, 7.5047, 12.1390



19.4603, 11.0779, 18.6706



10.4142, 6.9678, 5.0714



4.4322, 4.3860, 5.0803



10.2714, 5.1283, 8.0189



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.0242, 15.8954, 9.7475 looks on a white 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

Black Background



This preview shows how the XYZ color 10.0242, 15.8954, 9.7475 looks on a black 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

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

XYZ 10.0242, 15.8954, 9.7475

Background



This preview shows how black text looks on a background with the XYZ color 10.0242, 15.8954, 9.7475.



This preview shows how white text looks on a background with the XYZ color 10.0242, 15.8954,

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

10.0242, 15.8954, 9.7475

Protanopia

14.4914, 15.6128, 8.3807

Deuteranopia

15.8829, 15.6631, 10.1688



Tritanopia

12.7392, 15.9024, 23.1669

Trichromacy



Original Color

10.0242, 15.8954, 9.7475

Protanomaly

12.0861, 15.1888, 8.7733

Deuteranomaly

12.7572, 15.1710, 10.0405

Tritanomaly

11.5153, 15.7612, 17.1871

Monochromacy



Original Color

10.0242, 15.8954, 9.7475

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.4114, 12.9590, 11.6255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0242, 15.8954, 9.7475 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(50, 125, 78)` looks like.

```
.text, #text, p{  
    color:rgb(50, 125, 78)  
}
```

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(50, 125, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 125, 78) }
```

Border

The CSS property to change the border of an element to XYZ 10.0242, 15.8954, 9.7475 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(50, 125, 78) }
```


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

```
.border{ border-color:rgb(50, 125, 78) }
```

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

Here you see how a box with a 4 pixel rgb(50, 125, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 125, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 125, 78);  
box-shadow:4px 4px 4px 4px rgb(50, 125,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0242, 15.8954, 9.7475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 125, 78) }
```

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

```
.background{ background-color: rgb(50, 125,  
78) }
```

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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