

Converting Colors

XYZ(10.1820, 15.0828, 9.7541)

Have a look what the booklet for
XYZ(10.1820, 15.0828, 9.7541)
contains.

XYZ(10.1777, 15.0542, 9.7665)	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(10.1777, 15.0542,
9.7665)**

Conversions

Conversions Part 1

Format	Color
Hex	3F784F
RGB	63, 120, 79
RGB Percent	25%, 47%, 31%
CMY	0.7529, 0.5294, 0.6902
CMYK	0.47, 0.00, 0.34, 0.53
HSL	137°, 31%, 36%
HSV	137°, 47%, 47%
XYZ	10.1777, 15.0542, 9.7665
YIQ	98.2830, -20.8110, -24.8350

Conversions

Conversions Part 2

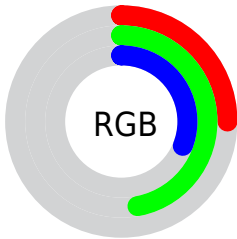
Format	Color
RYB	63, 108, 120
Decimal	4159567
CIELab	45.71, -28.55, 16.87
CIELCh	46, 33.161, 149.428
Yxy	15.0542, 0.2908, 0.4301
Android (android.graphics.Color)	4282349647 (0xFF3F784F)
YUV	98.2830, -9.5065, -30.9432
Hunter-Lab	38.7997, -21.0766, 12.2356

Details

The XYZ color **10.1777, 15.0542, 9.7665** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.0225, 8.5480, 14.1137**, and the grayscale version is **11.7070, 12.3167, 13.4129**.

A 20% lighter version of the original color is **25.7793, 35.0231, 25.8235**, and **2.6421, 4.6736, 2.2762** is the 20% darker color. If you saturate the color by 10%, you get **9.1993, 14.5842, 8.1859**, and if you desaturate by 10%, it is **11.3648, 15.6279, 11.5706**.

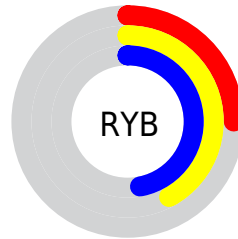
Distribution



Red (25%)

Green (47%)

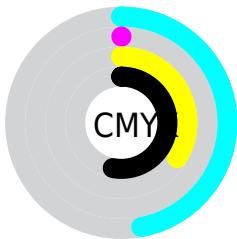
Blue (31%)



Red (25%)

Yellow (42%)

Blue (47%)

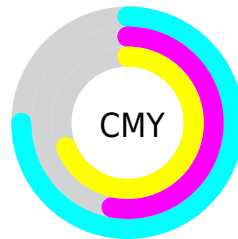


Cyan (47%)

Magenta (0%)

Yellow (34%)

Black (53%)



Cyan (75%)

Magenta (53%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1777, 15.0542, 9.7665 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 10.1777, 15.0542, 9.7665 by changing the saturation by 10% instead.

■ 10.1777, 15.0542,
9.7665

■ 10.1777, 15.0542,
9.7665

185.9629,
223.6940, 199.4212

■ 5.5801, 8.8574,
5.1408

■ 25.7759, 34.9482,
25.9563

■ 2.6297, 4.6483,
2.2700

■ 37.5071, 49.4143,
38.3575

■ 0.9611, 2.0424,
0.7143

■ 52.3470, 67.4056,
54.1876

■ 0.0000, 0.6319,
0.0000

■ 70.6608, 89.3065,
73.8652

■ 0.0000, 0.0000,
0.0000

■ 92.8140, 115.5014,
97.8089

119.1718,

146.3747, 126.4370

150.0997,
182.3108, 160.1683

■ 10.1777, 15.0542,
9.7665

■ 10.1777, 15.0542,
9.7665

■ 9.1993, 14.5842,
8.1859

■ 11.3648, 15.6279,
11.5706

■ 8.4158, 14.2098,
6.8190

■ 12.7710, 16.3092,
13.6053

■ 7.8138, 13.9245,
5.6568


■ 14.4071, 17.1041,
15.8789


■ 7.3773, 13.7205,
4.6893


■ 16.2831, 18.0174,
18.3988


■ 7.0703, 13.5792,
3.9049


■ 18.4084, 19.0538,
21.1721

 7.0009, 13.5471,
3.7354

 20.7916, 20.2177,
24.2057

 23.4413, 21.5133,
27.5060

 26.3653, 22.9447,
31.0795

 29.5714, 24.5155,
34.9323

Harmonies

Analogous

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



11.8369, 15.0542, 6.3382



10.1777, 15.0542, 9.7665



9.5966, 15.0542, 16.2391

Triad

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



10.1777, 15.0542, 9.7665



14.2552, 15.0542, 36.9905



19.4942, 15.0542, 9.9552

Complementary

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



10.1777, 15.0542, 9.7665



12.0225, 8.5480, 14.1137

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.



20.3549, 15.0542, 16.5448



10.1777, 15.0542, 9.7665



17.1024, 15.0542, 33.6925

Square

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



10.1777, 15.0542, 9.7665



11.7556, 15.0542, 33.4459



19.4287, 15.0542, 25.4880



17.2068, 15.0542, 6.4197

Rectangle

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



10.1777, 15.0542, 9.7665



9.8317, 15.0542, 22.0365



19.4287, 15.0542, 25.4880



19.9722, 15.0542, 11.8036

Sweetspot

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



10.1781, 15.0548, 9.7668



26.3337, 30.5660, 29.2786



13.4165, 16.7837, 7.2354



6.1064, 7.1784, 6.7566



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.1781, 15.0548, 9.7668



16.0419, 25.5842, 14.1661



11.4049, 15.5456, 16.2274



3.9929, 4.4668, 4.4962



7.6317, 14.7764, 4.0456



36.0848, 70.3569, 17.6162

Inverse Universe

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



12.0225, 8.5480, 14.1137



19.6977, 12.6535, 22.7573



10.8387, 8.0745, 7.8799



4.1088, 4.0592, 4.7705



10.2904, 5.0923, 10.0861



48.7092, 24.1400, 46.1261

Previews

White Background



This preview shows how the XYZ color 10.1777, 15.0542, 9.7665 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 10.1777, 15.0542, 9.7665 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 10.1777, 15.0542, 9.7665

Background



This preview shows how black text looks on a background with the XYZ color 10.1777, 15.0542, 9.7665.



This preview shows how white text looks on a background with the XYZ color 10.1777, 15.0542,

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

10.1777, 15.0542, 9.7665

Protanopia

13.9347, 15.0014, 8.6397

Deuteranopia

15.0158, 14.7606, 10.2413



Tritanopia

12.4794, 14.9457, 21.2959

Trichromacy



Original Color

10.1777, 15.0542, 9.7665

Protanomaly

12.0284, 14.6515, 9.0315

Deuteranomaly

12.5851, 14.4300, 10.1046

Tritanomaly

11.4780, 14.8756, 16.4537

Monochromacy



Original Color

10.1777, 15.0542, 9.7665

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.7887, 12.9947, 11.8371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1777, 15.0542, 9.7665 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(63, 120, 79)` looks like.

```
.text, #text, p{  
    color:rgb(63, 120, 79)  
}
```

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(63, 120, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 120, 79) }
```

Border

The CSS property to change the border of an element to XYZ 10.1777, 15.0542, 9.7665 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(63, 120, 79) }
```


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

```
.border{ border-color:rgb(63, 120, 79) }
```

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

Here you see how a box with a 4 pixel rgb(63, 120, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 120, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 120, 79);  
box-shadow:4px 4px 4px 4px rgb(63, 120,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1777, 15.0542, 9.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 120, 79) }
```

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

```
.background{ background-color: rgb(63, 120,  
79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor