

Converting Colors

XYZ(10.1470, 15.3246, 12.6101)

Have a look what the booklet for
XYZ(10.1470, 15.3246, 12.6101)
contains.

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Color

**XYZ(10.1579, 15.3447,
12.5517)**

Conversions

Conversions Part 1

Format	Color
Hex	317A5C
RGB	49, 122, 92
RGB Percent	19%, 48%, 36%
CMY	0.8078, 0.5216, 0.6392
CMYK	0.60, 0.00, 0.25, 0.52
HSL	155°, 43%, 34%
HSV	155°, 60%, 48%
XYZ	10.1579, 15.3447, 12.5517
YIQ	96.7530, -33.8780, -24.8060

Conversions

Conversions Part 2

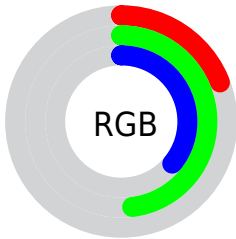
Format	Color
RYB	49, 95, 122
Decimal	3242588
CIELab	46.10, -30.41, 9.74
CIElCh	46, 31.927, 162.243
Yxy	15.3447, 0.2669, 0.4032
Android (android.graphics.Color)	4281432668 (0xFF317A5C)
YUV	96.7530, -2.3432, -41.8794
Hunter-Lab	39.1723, -22.2641, 8.4228

Details

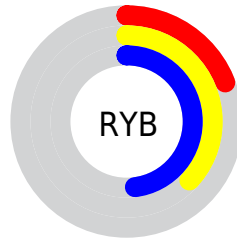
The XYZ color **10.1579, 15.3447, 12.5517** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.5361, 6.8990, 8.1739**, and the grayscale version is **11.3135, 11.9027, 12.9620**.

A 20% lighter version of the original color is **25.6919, 35.4377, 31.0772**, and **2.8105, 4.8320, 3.3693** is the 20% darker color. If you saturate the color by 10%, you get **9.4354, 14.9971, 11.4116**, and if you desaturate by 10%, it is **11.0551, 15.7814, 13.7764**.

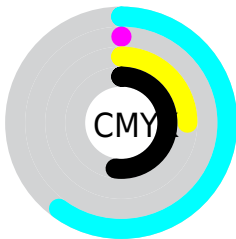
Distribution



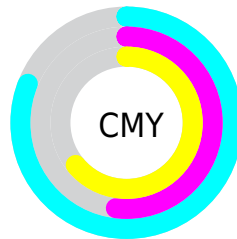
- Red (19%)
- Green (48%)
- Blue (36%)



- Red (19%)
- Yellow (37%)
- Blue (48%)



- Cyan (60%)
- Magenta (0%)
- Yellow (25%)
- Black (52%)



- Cyan (81%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1579, 15.3447, 12.5517 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 10.1579, 15.3447, 12.5517 by changing the saturation by 10% instead.

■ 10.1579, 15.3447,
12.5517

■ 10.1579, 15.3447,
12.5517

185.8255,
225.4432, 219.1302

■ 5.5668, 9.0617,
6.9935

■ 25.7391, 35.4568,
31.1753

■ 2.6217, 4.7814,
3.3796

■ 37.4599, 50.0546,
45.0778

■ 0.9570, 2.1196,
1.2916

■ 52.2880, 68.1928,
62.5988

■ 0.0000, 0.6756,
0.0549

■ 70.5888, 90.2557,
84.1568

■ 0.0000, 0.0000,
0.0000

■ 92.7275, 116.6279,
110.1704

■ 119.0697,

147.6936, 141.0582

149.9806,
183.8372, 177.2386

■ 10.1579, 15.3447,
12.5517

■ 10.1579, 15.3447,
12.5517

■ 9.4354, 14.9971,
11.4116

■ 11.0551, 15.7814,
13.7764

■ 8.8729, 14.7300,
10.3529

■ 12.1377, 16.3117,
15.0867

■ 8.4552, 14.5359,
9.3738

■ 13.4171, 16.9416,
16.4847

■ 8.1302, 14.3880,
8.4703

■ 14.9033, 17.6764,
17.9722

■ 8.1250, 14.3857,
8.4560

■ 16.6056, 18.5208,
19.5511

■ 18.5327, 19.4792,
21.2229

■ 20.6929, 20.5560,
22.9894

■ 23.0939, 21.7550,
24.8521

■ 25.7434, 23.0802,
26.8125

Harmonies

Analogous

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



11.3501, 15.3447, 7.9062



10.1579, 15.3447, 12.5517



10.0562, 15.3447, 20.0818

Triad

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



10.1579, 15.3447, 12.5517



15.7196, 15.3447, 35.9827



18.7991, 15.3447, 8.5397

Complementary

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



10.1579, 15.3447, 12.5517



10.5361, 6.8990, 8.1739

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.



20.3020, 15.3447, 13.7345



10.1579, 15.3447, 12.5517



18.3818, 15.3447, 30.3938

Square

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



10.1579, 15.3447, 12.5517



13.0503, 15.3447, 35.3657



20.1405, 15.3447, 21.6928



16.2348, 15.3447, 6.1336

Rectangle

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



10.1579, 15.3447, 12.5517



10.6012, 15.3447, 26.0172



20.1405, 15.3447, 21.6928



19.4587, 15.3447, 9.9353

Sweetspot

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



10.1583, 15.3453, 12.5521



26.6149, 31.2934, 31.9969



10.7736, 15.8216, 5.3920



5.9314, 7.0789, 7.1680



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.



10.1583, 15.3453, 12.5521



16.1810, 26.1840, 19.3323



11.0157, 14.5302, 20.6371



4.0406, 4.4859, 4.7478



8.5499, 15.1436, 8.8805



40.3529, 72.0642, 40.0919

Inverse Universe

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



10.5361, 6.8990, 8.1739



16.9214, 9.8568, 10.9194



9.9510, 7.1000, 3.7519



4.0603, 4.0398, 4.5150



9.0554, 4.5983, 3.5829



42.7940, 21.7739, 14.9772

Previews

White Background



This preview shows how the XYZ color 10.1579, 15.3447, 12.5517 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 10.1579, 15.3447, 12.5517 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 10.1579, 15.3447, 12.5517

Background



This preview shows how black text looks on a background with the XYZ color 10.1579, 15.3447, 12.5517.



This preview shows how white text looks on a background with the XYZ color 10.1579, 15.3447,

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

10.1579, 15.3447, 12.5517

Protanopia

14.2447, 15.1100, 10.9698

Deuteranopia

15.4751, 15.2328, 13.1909



Tritanopia

12.1165, 15.2470, 22.3830

Trichromacy



Original Color

10.1579, 15.3447, 12.5517

Protanomaly

12.0802, 14.7901, 11.4506

Deuteranomaly

12.6798, 14.7365, 13.0026

Tritanomaly

11.3214, 15.2784, 18.2719

Monochromacy



Original Color

10.1579, 15.3447, 12.5517

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5279, 12.8398, 12.7499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1579, 15.3447, 12.5517 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(49, 122, 92)` looks like.

```
.text, #text, p{  
    color:rgb(49, 122, 92)  
}
```

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(49, 122, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 122, 92) }
```

Border

The CSS property to change the border of an element to XYZ 10.1579, 15.3447, 12.5517 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(49, 122, 92) }
```


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

```
.border{ border-color:rgb(49, 122, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 122, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 122, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 122, 92);  
box-shadow:4px 4px 4px 4px rgb(49, 122,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1579, 15.3447, 12.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 122, 92) }
```

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

```
.background{ background-color: rgb(49, 122,  
92) }
```

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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