

Converting Colors

XYZ(10.2877, 14.9089, 2.8907)

Have a look what the booklet for
XYZ(10.2877, 14.9089, 2.8907)
contains.

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Color

**XYZ(10.3339, 14.9318,
2.9097)**

Conversions

Conversions Part 1

Format	Color
Hex	557612
RGB	85, 118, 18
RGB Percent	33%, 46%, 7%
CMY	0.6667, 0.5372, 0.9294
CMYK	0.28, 0.00, 0.85, 0.54
HSL	80°, 74%, 27%
HSV	80°, 85%, 46%
XYZ	10.3339, 14.9318, 2.9097
YIQ	96.7330, 12.4320, -38.0960

Conversions

Conversions Part 2

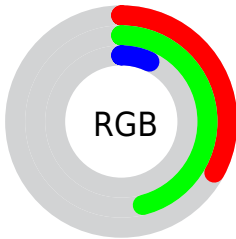
Format	Color
R_{YB}	18, 118, 51
Decimal	5600786
CIE _{Lab}	45.54, -26.62, 46.31
CIE _{LCh}	46, 53.416, 119.891
Yxy	14.9318, 0.3668, 0.5300
Android (android.graphics.Color)	4283790866 (0xFF557612)
YUV	96.7330, -38.8154, -10.2898
Hunter-Lab	38.6417, -19.8869, 22.5847

Details

The XYZ color **10.3339, 14.9318, 2.9097** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.8521, 2.4448, 17.3565**, and the grayscale version is **11.3872, 11.9802, 13.0464**.

A 20% lighter version of the original color is **26.0257, 34.6206, 11.4416**, and **2.8213, 4.6136, 0.7418** is the 20% darker color. If you saturate the color by 10%, you get **9.9151, 14.7251, 2.4978**, and if you desaturate by 10%, it is **10.8203, 15.1689, 3.5728**.

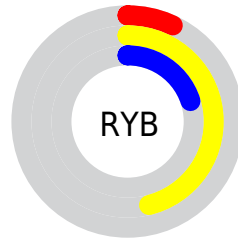
Distribution



Red (33%)

Green (46%)

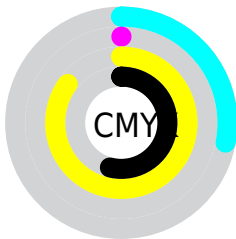
Blue (7%)



Red (7%)

Yellow (46%)

Blue (20%)

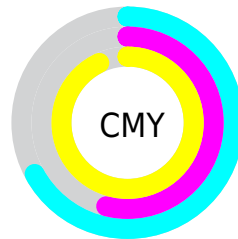


Cyan (28%)

Magenta (0%)

Yellow (85%)

Black (54%)



Cyan (67%)

Magenta (54%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3339, 14.9318, 2.9097 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 10.3339, 14.9318, 2.9097 by changing the saturation by 10% instead.

■ 10.3339, 14.9318,
2.9097

■ 10.3339, 14.9318,
2.9097

187.0431,
222.9531, 135.2021

■ 5.6849, 8.7715,
1.0487

■ 26.0657, 34.7335,
11.4048

■ 2.6932, 4.5925,
0.0000

■ 37.8791, 49.1437,
18.8760

■ 0.9937, 2.0102,
0.0000

■ 52.8114, 67.0727,
29.0543

■ 0.0000, 0.6134,
0.0000

■ 71.2279, 88.9049,
42.3583

■ 0.0000, 0.0000,
0.0000

■ 93.4940, 115.0246,
59.2066

■ 119.9750,

145.8163, 80.0176

151.0362,
181.6643, 105.2099

10.3339, 14.9318,
2.9097

10.3339, 14.9318,
2.9097

9.9151, 14.7251,
2.4978

10.8203, 15.1689,
3.5728

9.7080, 14.6222,
2.3107

11.3825, 15.4380,
4.5335

12.0268, 15.7423,
5.8219

12.7585, 16.0839,
7.4643

13.5824, 16.4648,
9.4843

■ 14.5028, 16.8867,
11.9035

■ 15.5238, 17.3513,
14.7418

■ 16.6492, 17.8601,
18.0179

■ 17.8826, 18.4146,
21.7492

Harmonies

Analogous

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



14.2085, 14.9318, 1.9908



10.3339, 14.9318, 2.9097



7.9923, 14.9318, 6.7894

Triad

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



10.3339, 14.9318, 2.9097



10.3111, 14.9318, 48.0934



24.6083, 14.9318, 16.3048

Complementary

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



10.3339, 14.9318, 2.9097



4.8521, 2.4448, 17.3565

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.



22.9762, 14.9318, 31.9483



10.3339, 14.9318, 2.9097



14.1760, 14.9318, 55.2485

Square

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



10.3339, 14.9318, 2.9097



7.9812, 14.9318, 31.8219



18.9081, 14.9318, 48.1895



22.9987, 14.9318, 6.8346

Rectangle

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



10.3339, 14.9318, 2.9097



7.3143, 14.9318, 12.3181



18.9081, 14.9318, 48.1895



24.4168, 14.9318, 20.9599

Sweetspot

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



10.3342, 14.9325, 2.9100



25.3501, 29.6227, 20.5260



8.7073, 6.1485, 1.3003



5.7233, 6.7627, 4.4385



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.3342, 14.9325, 2.9100



16.9281, 25.6368, 4.0562



7.3273, 13.3823, 2.7693



3.8548, 4.2086, 3.9515



10.4888, 15.8115, 2.4991



50.1807, 76.5709, 12.1349

Inverse Universe

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



4.8521, 2.4448, 17.3565



7.0897, 2.9907, 30.3406



8.7056, 4.4313, 17.5369



3.6040, 3.6432, 4.6035



4.4282, 1.8742, 18.6709



20.7608, 8.7111, 90.9475

Previews

White Background



This preview shows how the XYZ color 10.3339, 14.9318, 2.9097 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 10.3339, 14.9318, 2.9097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

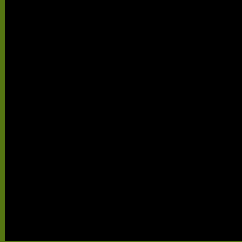
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3339, 14.9318, 2.9097

Background



This preview shows how black text looks on a background with the XYZ color 10.3339, 14.9318, 2.9097.



This preview shows how white text looks on a background with the XYZ color 10.3339, 14.9318,

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

10.3339, 14.9318, 2.9097

Protanopia

13.3339, 14.8246, 2.6106

Deuteranopia

14.9526, 14.7375, 3.1551



Tritanopia

13.7296, 14.9706, 19.6187

Trichromacy



Original Color

10.3339, 14.9318, 2.9097

Protanomaly

12.0720, 14.8139, 2.7133

Deuteranomaly

12.8636, 14.5730, 2.9990

Tritanomaly

11.8418, 14.6948, 10.1949

Monochromacy



Original Color

10.3339, 14.9318, 2.9097

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.6092, 12.8477, 7.3895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3339, 14.9318, 2.9097 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(85, 118, 18)` looks like.

```
.text, #text, p{  
    color:rgb(85, 118, 18)  
}
```

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(85, 118, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 118, 18) }
```

Border

The CSS property to change the border of an element to XYZ 10.3339, 14.9318, 2.9097 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(85, 118, 18) }
```


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

```
.border{ border-color:rgb(85, 118, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 118, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 118, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 118, 18);  
box-shadow:4px 4px 4px 4px rgb(85, 118,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3339, 14.9318, 2.9097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 118, 18) }
```

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

```
.background{ background-color: rgb(85, 118,  
18) }
```

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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