

Converting Colors

XYZ(10.3319, 13.9478, 2.7179)

Have a look what the booklet for
XYZ(10.3319, 13.9478, 2.7179)
contains.

XYZ(10.3170, 13.9073, 2.7129)	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(10.3170, 13.9073,
2.7129)**

Conversions

Conversions Part 1

Format	Color
Hex	5C7012
RGB	92, 112, 18
RGB Percent	36%, 44%, 7%
CMY	0.6392, 0.5608, 0.9294
CMYK	0.18, 0.00, 0.84, 0.56
HSL	73°, 72%, 25%
HSV	73°, 84%, 44%
XYZ	10.3170, 13.9073, 2.7129
YIQ	95.3040, 18.2540, -33.4740

Conversions

Conversions Part 2

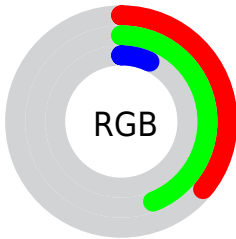
Format	Color
RYB	18, 112, 38
Decimal	6058002
CIELab	44.10, -20.54, 45.21
CIELCh	44, 49.653, 114.435
Yxy	13.9073, 0.3830, 0.5163
Android (android.graphics.Color)	4284248082 (0xFF5C7012)
YUV	95.3040, -38.1109, -2.8976
Hunter-Lab	37.2925, -15.8797, 21.7916

Details

The XYZ color **10.3170, 13.9073, 2.7129** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9408, 2.0149, 15.5112**, and the grayscale version is **11.0363, 11.6110, 12.6444**.

A 20% lighter version of the original color is **26.0898, 33.0256, 10.9607**, and **2.7882, 4.1590, 0.6558** is the 20% darker color. If you saturate the color by 10%, you get **10.0110, 13.7583, 2.3234**, and if you desaturate by 10%, it is **10.6743, 14.0787, 3.3306**.

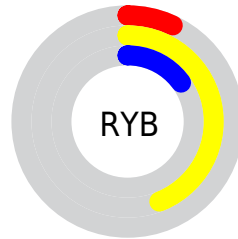
Distribution



Red (36%)

Green (44%)

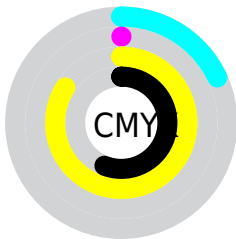
Blue (7%)



Red (7%)

Yellow (44%)

Blue (15%)

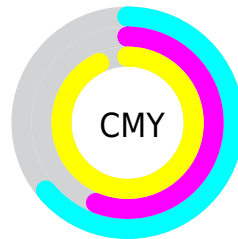


Cyan (18%)

Magenta (0%)

Yellow (84%)

Black (56%)



Cyan (64%)

Magenta (56%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3170, 13.9073, 2.7129 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 10.3170, 13.9073, 2.7129 by changing the saturation by 10% instead.

■ 10.3170, 13.9073,
2.7129

■ 10.3170, 13.9073,
2.7129

186.9266,
216.6534, 132.6156

■ 5.6735, 8.0562,
0.9499

■ 26.0344, 32.9245,
10.9114

■ 2.6864, 4.1309,
0.0000

■ 37.8389, 46.8593,
18.1840

■ 0.9902, 1.7471,
0.0000

■ 52.7613, 64.2576,
28.1303

■ 0.0000, 0.4539,
0.0000

■ 71.1667, 85.5036,
41.1688

■ 0.0000, 0.0000,
0.0000

■ 93.4206, 110.9818,
57.7181

■ 119.8883,

141.0766, 78.1966

150.9352,
176.1723, 103.0229

10.3170, 13.9073,
2.7129

10.3170, 13.9073,
2.7129

10.0110, 13.7583,
2.3234

10.6743, 14.0787,
3.3306

9.8349, 13.6719,
2.1206

11.0894, 14.2735,
4.2144

11.5675, 14.4944,
5.3905

12.1130, 14.7432,
6.8815

12.7300, 15.0215,
8.7082

■ 13.4220, 15.3307,
10.8891

■ 14.1924, 15.6722,
13.4418

■ 15.0444, 16.0472,
16.3824

■ 15.9809, 16.4569,
19.7263

Harmonies

Analogous

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



13.9694, 13.9073, 2.1672



10.3170, 13.9073, 2.7129



7.9494, 13.9073, 5.6825

Triad

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



10.3170, 13.9073, 2.7129



9.2721, 13.9073, 40.6494



22.3185, 13.9073, 17.3533

Complementary

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



10.3170, 13.9073, 2.7129



3.9408, 2.0149, 15.5112

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.



20.4156, 13.9073, 31.6602



10.3170, 13.9073, 2.7129



12.4950, 13.9073, 48.7840

Square

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



10.3170, 13.9073, 2.7129



7.4357, 13.9073, 26.0502



16.6185, 13.9073, 44.8647



21.4164, 13.9073, 7.8050

Rectangle

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



10.3170, 13.9073, 2.7129



7.1651, 13.9073, 10.0204



16.6185, 13.9073, 44.8647



21.9758, 13.9073, 21.7671

Sweetspot

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



10.3173, 13.9079, 2.7132



23.3580, 26.8330, 18.4197



7.4471, 4.7996, 1.1064



5.5305, 6.4103, 4.1670



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.3173, 13.9079, 2.7132



17.1731, 23.9635, 3.7203



7.0396, 12.2182, 2.5598



3.5758, 3.8822, 3.6342



11.3501, 15.7949, 2.4505



55.7998, 78.2999, 12.1724

Inverse Universe

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



3.9408, 2.0149, 15.5112



5.7009, 2.3454, 27.0820



6.7797, 3.4784, 15.6441



3.2779, 3.3315, 4.2245



3.7945, 1.5656, 17.8238



18.2917, 7.4841, 88.7596

Previews

White Background



This preview shows how the XYZ color 10.3170, 13.9073, 2.7129 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 10.3170, 13.9073, 2.7129 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 10.3170, 13.9073, 2.7129

Background



This preview shows how black text looks on a background with the XYZ color 10.3170, 13.9073, 2.7129.



This preview shows how white text looks on a background with the XYZ color 10.3170, 13.9073,

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

10.3170, 13.9073, 2.7129

Protanopia

12.3800, 13.7199, 2.4859

Deuteranopia

14.0084, 13.8236, 2.9072



Tritanopia

13.2418, 13.8372, 17.3022

Trichromacy



Original Color

10.3170, 13.9073, 2.7129

Protanomaly

11.5432, 13.7440, 2.5748

Deuteranomaly

12.4411, 13.7444, 2.8078

Tritanomaly

11.6698, 13.6621, 9.2297

Monochromacy



Original Color

10.3170, 13.9073, 2.7129

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2829, 12.0923, 7.1023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3170, 13.9073, 2.7129 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(92, 112, 18)` looks like.

```
.text, #text, p{  
    color:rgb(92, 112, 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(92, 112, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 112, 18) }
```

Border

The CSS property to change the border of an element to XYZ 10.3170, 13.9073, 2.7129 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(92, 112, 18) }
```


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

```
.border{ border-color:rgb(92, 112, 18) }
```

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

Here you see how a box with a 4 pixel rgb(92, 112, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 112, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 112, 18);  
box-shadow:4px 4px 4px 4px rgb(92, 112,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3170, 13.9073, 2.7129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 112, 18) }
```

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

```
.background{ background-color: rgb(92, 112,  
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](#).

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