

Converting Colors

XYZ(10.6163, 15.4473, 3.0129)

Have a look what the booklet for
XYZ(10.6163, 15.4473, 3.0129)
contains.

XYZ(10.5720, 15.4079, 2.9891)	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(10.5720, 15.4079,
2.9891)**

Conversions

Conversions Part 1

Format	Color
Hex	557812
RGB	85, 120, 18
RGB Percent	33%, 47%, 7%
CMY	0.6667, 0.5294, 0.9294
CMYK	0.29, 0.00, 0.85, 0.53
HSL	81°, 74%, 27%
HSV	81°, 85%, 47%
XYZ	10.5720, 15.4079, 2.9891
YIQ	97.9070, 11.8820, -39.1420

Conversions

Conversions Part 2

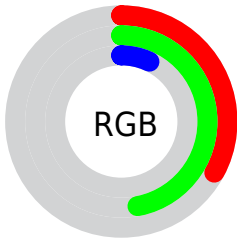
Format	Color
R_{YB}	18, 120, 53
Decimal	5601298
CIE _{Lab}	46.19, -27.59, 46.89
CIE _{LCh}	46, 54.403, 120.475
Yxy	15.4079, 0.3649, 0.5319
Android (android.graphics.Color)	4283791378 (0xFF557812)
YUV	97.9070, -39.3942, -11.3194
Hunter-Lab	39.2529, -20.6171, 22.9621

Details

The XYZ color **10.5720, 15.4079, 2.9891** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.0753, 2.5460, 17.9941**, and the grayscale version is **11.6796, 12.2879, 13.3815**.

A 20% lighter version of the original color is **26.4035, 35.3762, 11.5676**, and **2.9464, 4.8638, 0.7835** is the 20% darker color. If you saturate the color by 10%, you get **10.1329, 15.1909, 2.5705**, and if you desaturate by 10%, it is **11.0824, 15.6571, 3.6667**.

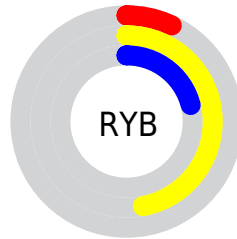
Distribution



 Red (33%)

 Green (47%)

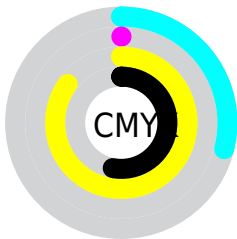
 Blue (7%)



 Red (7%)

 Yellow (47%)

 Blue (21%)

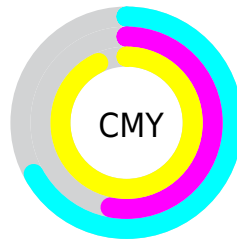


 Cyan (29%)


 Magenta (0%)

 Yellow (85%)

 Black (53%)



 Cyan (67%)

 Magenta (53%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5720, 15.4079, 2.9891 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 10.5720, 15.4079, 2.9891 by changing the saturation by 10% instead.

■ 10.5720, 15.4079,
2.9891

■ 10.5720, 15.4079,
2.9891

188.6768,
225.8220, 136.2217

■ 5.8450, 9.1062,
1.0891

■ 26.5060, 35.5672,
11.6015

■ 2.7908, 4.8105,
0.0000

■ 38.4437, 50.1935,
19.1510

■ 1.0441, 2.1365,
0.0000

■ 53.5156, 68.3635,
29.4207

■ 0.0000, 0.6850,
0.0000


■ 72.0872, 90.4615,
42.8292


■ 0.0000, 0.0000,
0.0000


■ 94.5237, 116.8720,
59.7950


■ 121.1906,


147.9793, 80.7367


 152.4532,
184.1679, 106.0727


 10.5720, 15.4079,
2.9891


 10.5720, 15.4079,
2.9891


 10.1329, 15.1909,
2.5705


 11.0824, 15.6571,
3.6667

 9.9264, 15.0882,
2.3891

 11.6730, 15.9403,
4.6526

 12.3504, 16.2609,
5.9785

 13.1203, 16.6211,
7.6719

 13.9875, 17.0229,
9.7575

■ 14.9568, 17.4683,
12.2578

■ 16.0324, 17.9589,
15.1937

■ 17.2183, 18.4964,
18.5845

■ 18.5182, 19.0824,
22.4485

Harmonies

Analogous

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



14.5709, 15.4079, 2.0056



10.5720, 15.4079, 2.9891



8.1755, 15.4079, 7.0763

Triad

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



10.5720, 15.4079, 2.9891



10.6754, 15.4079, 50.2518



25.4932, 15.4079, 16.5657

Complementary

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



10.5720, 15.4079, 2.9891



5.0753, 2.5460, 17.9941

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.



23.8545, 15.4079, 32.7703



10.5720, 15.4079, 2.9891



14.7188, 15.4079, 57.4604

Square

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



10.5720, 15.4079, 2.9891



8.2257, 15.4079, 33.3467



19.6485, 15.4079, 49.8131



23.7523, 15.4079, 6.8721

Rectangle

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



10.5720, 15.4079, 2.9891



7.4936, 15.4079, 12.8957



19.6485, 15.4079, 49.8131



25.3162, 15.4079, 21.3671

Sweetspot

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



10.5724, 15.4086, 2.9894



26.1947, 30.6715, 21.2654



9.0835, 6.4933, 1.3471



6.0893, 7.2145, 4.7283



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.



10.5724, 15.4086, 2.9894



17.3119, 26.4609, 4.1950



7.5193, 13.8347, 2.8466



4.1805, 4.5683, 4.2859



10.8131, 16.4516, 2.6056



50.6394, 77.9910, 12.3848

Inverse Universe

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



5.0753, 2.5460, 17.9941



7.4510, 3.1523, 31.4688



9.2006, 4.6727, 18.1871



3.9153, 3.9542, 5.0001



4.6897, 1.9904, 19.5223



21.5384, 9.0655, 93.0844

Previews

White Background



This preview shows how the XYZ color 10.5720, 15.4079, 2.9891 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 10.5720, 15.4079, 2.9891 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 10.5720, 15.4079, 2.9891

Background



This preview shows how black text looks on a background with the XYZ color 10.5720, 15.4079, 2.9891.



This preview shows how white text looks on a background with the XYZ color 10.5720, 15.4079,

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

10.5720, 15.4079, 2.9891

Protanopia

13.7232, 15.1827, 2.6592

Deuteranopia

15.4764, 15.3028, 3.2367



Tritanopia

14.0692, 15.4556, 20.3309

Trichromacy



Original Color

10.5720, 15.4079, 2.9891

Protanomaly

12.3053, 15.0989, 2.7560

Deuteranomaly

13.2120, 15.0694, 3.0765

Tritanomaly

12.1446, 15.1769, 10.6768

Monochromacy



Original Color

10.5720, 15.4079, 2.9891

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.7424, 13.0649, 7.5858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5720, 15.4079, 2.9891 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, 120, 18)` looks like.

```
.text, #text, p{  
    color:rgb(85, 120, 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, 120, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 18) }
```

Border

The CSS property to change the border of an element to XYZ 10.5720, 15.4079, 2.9891 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, 120, 18) }
```


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

```
.border{ border-color:rgb(85, 120, 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, 120, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 18);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5720, 15.4079, 2.9891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 18) }
```

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

```
.background{ background-color: rgb(85, 120,  
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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