

Converting Colors

XYZ(10.7270, 12.9827, 3.4859)

Have a look what the booklet for
XYZ(10.7270, 12.9827, 3.4859)
contains.

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Color

**XYZ(10.7071, 12.9853,
3.4555)**

Conversions

Conversions Part 1

Format	Color
Hex	656922
RGB	101, 105, 34
RGB Percent	40%, 41%, 13%
CMY	0.6039, 0.5882, 0.8667
CMYK	0.04, 0.00, 0.68, 0.59
HSL	63°, 51%, 27%
HSV	63°, 68%, 41%
XYZ	10.7071, 12.9853, 3.4555
YIQ	95.7100, 20.4070, -22.9290

Conversions

Conversions Part 2

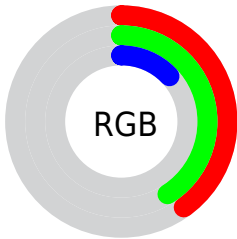
Format	Color
R_{YB}	34, 105, 38
Decimal	6646050
CIE _{Lab}	42.74, -11.71, 37.96
CIE _{LCh}	43, 39.723, 107.151
Yxy	12.9853, 0.3944, 0.4783
Android (android.graphics.Color)	4284836130 (0xFF656922)
YUV	95.7100, -30.4230, 4.6393
Hunter-Lab	36.0351, -10.0238, 19.5391

Details

The XYZ color **10.7071, 12.9853, 3.4555** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.9216, 2.5764, 13.6559**, and the grayscale version is **11.1161, 11.6950, 12.7358**.

A 20% lighter version of the original color is **26.7762, 31.2715, 12.8084**, and **2.9292, 3.7562, 0.5706** is the 20% darker color. If you saturate the color by 10%, you get **10.5123, 12.9002, 2.7732**, and if you desaturate by 10%, it is **10.9493, 13.0903, 4.3823**.

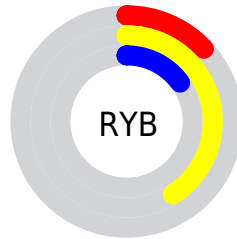
Distribution



Red (40%)

Green (41%)

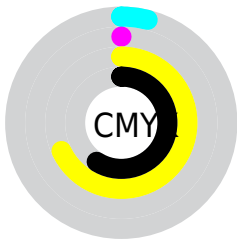
Blue (13%)



Red (13%)

Yellow (41%)

Blue (15%)

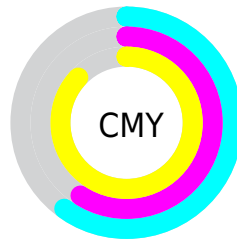


Cyan (4%)

Magenta (0%)

Yellow (68%)

Black (59%)



Cyan (60%)

Magenta (59%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7071, 12.9853, 3.4555 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 10.7071, 12.9853, 3.4555 by changing the saturation by 10% instead.

■ 10.7071, 12.9853,
3.4555

■ 10.7071, 12.9853,
3.4555

189.5970,
210.8234, 141.9660

■ 5.9361, 7.4184,
1.3317

■ 26.7550, 31.2774,
12.7331

■ 2.8465, 3.7251,
0.0875

■ 38.7627, 44.7714,
20.7240

■ 1.0731, 1.5210,
0.0000

■ 53.9132, 61.6765,
31.5076

■ 0.0025, 0.3035,
0.0000

■ 72.5720, 82.3772,
45.5025

■ 0.0000, 0.0000,
0.0000

■ 95.1044, 107.2579,
63.1273

■ 121.8758,

136.7028, 84.8004

153.2516,
171.0966, 110.9405

10.7071, 12.9853,
3.4555

10.7071, 12.9853,
3.4555

10.5123, 12.9002,
2.7732

10.9493, 13.0903,
4.3823

10.3597, 12.8316,
2.3116

11.2418, 13.2151,
5.5731

10.2356, 12.7744,
1.9981

11.5885, 13.3615,
7.0461

10.2064, 12.7610,
1.9252

11.9923, 13.5309,
8.8178

12.4562, 13.7244,
10.9035

■ 12.9829, 13.9431,
13.3173

■ 13.5749, 14.1879,
16.0726

■ 14.2347, 14.4599,
19.1819

■ 14.9644, 14.7599,
22.6571

Harmonies

Analogous

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



13.6795, 12.9853, 3.3307



10.7071, 12.9853, 3.4555



8.5543, 12.9853, 5.5743

Triad

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



10.7071, 12.9853, 3.4555



8.7981, 12.9853, 30.1796



18.9162, 12.9853, 18.1704

Complementary

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



10.7071, 12.9853, 3.4555



3.9216, 2.5764, 13.6559

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.



17.1097, 12.9853, 28.7389



10.7071, 12.9853, 3.4555



11.0949, 12.9853, 37.3521

Square

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



10.7071, 12.9853, 3.4555



7.5820, 12.9853, 19.6342



14.1357, 12.9853, 36.7377



18.7665, 12.9853, 9.7783

Rectangle

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



10.7071, 12.9853, 3.4555



7.7256, 12.9853, 8.6127



14.1357, 12.9853, 36.7377



18.5066, 12.9853, 21.6325

Sweetspot

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



10.7074, 12.9859, 3.4558



22.0460, 24.4668, 18.3582



6.7937, 4.4767, 2.0196



5.1243, 5.7147, 4.1204



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.7074, 12.9859, 3.4558



18.6577, 23.0245, 4.4477



7.5842, 11.3758, 3.3096



3.3171, 3.5753, 3.3327



12.9124, 16.1518, 2.4370



65.5460, 82.1723, 12.4062

Inverse Universe

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



3.9216, 2.5764, 13.6559



5.5486, 2.8867, 24.1958



5.8737, 3.5827, 13.7473



2.9628, 3.0326, 3.8641



3.3113, 1.3341, 17.0052



16.6290, 6.6722, 86.6376

Previews

White Background



This preview shows how the XYZ color 10.7071, 12.9853, 3.4555 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 10.7071, 12.9853, 3.4555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

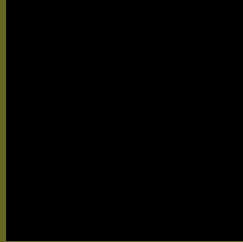
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7071, 12.9853, 3.4555

Background



This preview shows how black text looks on a background with the XYZ color 10.7071, 12.9853, 3.4555.



This preview shows how white text looks on a background with the XYZ color 10.7071, 12.9853,

3.4555.

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

10.7071, 12.9853, 3.4555

Protanopia

11.7382, 12.9279, 3.3155

Deuteranopia

13.1210, 12.9349, 3.5554



Tritanopia

13.1535, 12.9641, 15.4447

Trichromacy



Original Color

10.7071, 12.9853, 3.4555

Protanomaly

11.3326, 12.8638, 3.3245

Deuteranomaly

12.1164, 12.8330, 3.5075

Tritanomaly

11.9273, 12.8898, 9.4488

Monochromacy



Original Color

10.7071, 12.9853, 3.4555

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7014, 12.0014, 8.0558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7071, 12.9853, 3.4555 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(101, 105, 34)` looks like.

```
.text, #text, p{  
    color:rgb(101, 105, 34)  
}
```

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(101, 105, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 105, 34) }
```

Border

The CSS property to change the border of an element to XYZ 10.7071, 12.9853, 3.4555 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(101, 105, 34) }
```


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

```
.border{ border-color:rgb(101, 105, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 105, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 105, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 105, 34);  
box-shadow:4px 4px 4px 4px rgb(101, 105,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7071, 12.9853, 3.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 105, 34) }
```

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

```
.background{ background-color: rgb(101,  
105, 34) }
```

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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