

Converting Colors

XYZ(9.7071, 10.0613, 14.0008)

Have a look what the booklet for
XYZ(9.7071, 10.0613, 14.0008)
contains.

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Color

**XYZ(9.7170, 10.0354,
13.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	555966
RGB	85, 89, 102
RGB Percent	33%, 35%, 40%
CMY	0.6667, 0.6510, 0.6000
CMYK	0.17, 0.13, 0.00, 0.60
HSL	226°, 9%, 37%
HSV	226°, 17%, 40%
XYZ	9.7170, 10.0354, 13.9953
YIQ	89.2860, -6.5570, 3.1950

Conversions

Conversions Part 2

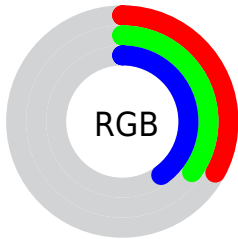
Format	Color
R_{YB}	85, 88, 102
Decimal	5593446
CIE Lab	37.91, 1.44, -7.99
CIE LCh	38, 8.122, 280.225
Yxy	10.0354, 0.2879, 0.2974
Android (android.graphics.Color)	4283783526 (0xFF555966)
YUV	89.2860, 6.2680, -3.7588
Hunter-Lab	31.6787, -0.6853, -4.0186




Details

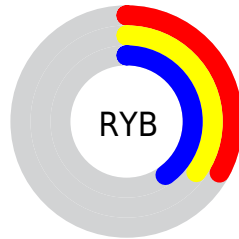
The XYZ color **9.7170, 10.0354, 13.9953** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4870, 12.2160, 10.3471**, and the grayscale version is **9.5467, 10.0439, 10.9378**.




A 20% lighter version of the original color is **24.9741, 25.9160, 33.8230**, and **2.4653, 2.5283, 3.9725** is the 20% darker color. If you saturate the color by 10%, you get **8.2420, 8.3622, 13.7503**, and if you desaturate by 10%, it is **11.3950, 11.9158, 14.2700**.

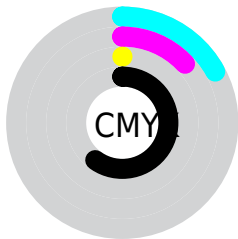
Distribution







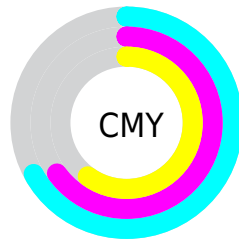
-  Red (33%)
-  Green (35%)
-  Blue (40%)






-  Red (33%)
-  Yellow (35%)
-  Blue (40%)



-  Cyan (17%)
-  Magenta (13%)
-  Yellow (0%)
-  Black (60%)



-  Cyan (67%)
-  Magenta (65%)
-  Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7170, 10.0354, 13.9953 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 9.7170, 10.0354, 13.9953 by changing the saturation by 10% instead.

■ 9.7170, 10.0354,
13.9953

■ 9.7170, 10.0354,
13.9953

182.7363,
190.9245, 228.6290

■ 5.2725, 5.4224,
7.9787

■ 24.9164, 25.8621,
33.7977

■ 2.4444, 2.4972,
3.9937

■ 36.4020, 37.8446,
48.4206

■ 0.8673, 0.8752,
1.6219

■ 50.9654, 53.0523,
66.7492

■ 0.0000, 0.0000,
0.3064

■ 68.9719, 71.8698,
89.2023

■ 0.0000, 0.0000,
0.0000

■ 90.7869, 94.6814,
116.1983

116.7757,

121.8714, 148.1557

147.3037,
153.8243, 185.4931

■ 9.7170, 10.0354,
13.9953

■ 9.7170, 10.0354,
13.9953

■ 8.2420, 8.3622,
13.7503

■ 11.3950, 11.9158,
14.2700

■ 6.9611, 6.8879,
13.5332

■ 13.2823, 14.0090,
14.5745

■ 5.8664, 5.6051,
13.3433

■ 15.3863, 16.3220,
14.9101

■ 4.9489, 4.5057,
13.1794

■ 17.7138, 18.8609,
15.2775

■ 4.1989, 3.5811,
13.0405

■ 20.2710, 21.6318,
15.6775

■ 3.6056, 2.8217,
12.9252

■ 23.0640, 24.6404,
16.1110

■ 3.1570, 2.2170,
12.8321

■ 26.0989, 27.8923,
16.5788

■ 2.8239, 1.7473,
12.7590

■ 29.3813, 31.3928,
17.0814

■ 2.7251, 1.6129,
12.7383

■ 32.9166, 35.1471,
17.6197

Harmonies

Analogous

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



9.2039, 10.0354, 13.8502



9.7170, 10.0354, 13.9953



10.1990, 10.0354, 13.2632

Triad

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



9.7170, 10.0354, 13.9953



10.3226, 10.0354, 9.1794



8.6277, 10.0354, 9.9860

Complementary

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



9.7170, 10.0354, 13.9953



11.4870, 12.2160, 10.3471

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.



8.9069, 10.0354, 8.8824



9.7170, 10.0354, 13.9953



9.8808, 10.0354, 8.4468

Square

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



9.7170, 10.0354, 13.9953



10.5569, 10.0354, 10.4262



9.3619, 10.0354, 8.3433



8.5875, 10.0354, 11.4433

Rectangle

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



9.7170, 10.0354, 13.9953



10.4331, 10.0354, 12.4120



9.3619, 10.0354, 8.3433



8.6962, 10.0354, 9.5651

Sweetspot

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



9.7173, 10.0358, 13.9955



20.4639, 21.4319, 25.1039



10.6907, 12.3114, 13.3066



4.7909, 5.0152, 5.9163



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



9.7173, 10.0358, 13.9955



15.9892, 16.4110, 24.3706



9.7909, 9.5928, 13.9061



2.7403, 2.8586, 3.5393



3.4723, 2.0163, 16.3505



17.5286, 9.3538, 85.0830

Inverse Universe

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



10.5314, 10.0433, 10.8352



17.7147, 16.4556, 17.6660



11.4014, 12.7416, 10.4530



2.8535, 2.8560, 3.1008



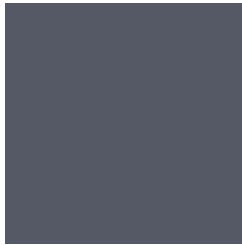
7.2353, 3.7071, 1.3716



37.4428, 19.2171, 5.6089

Previews

White Background



This preview shows how the XYZ color 9.7170, 10.0354, 13.9953 looks on a white background.

Color Contrast Check

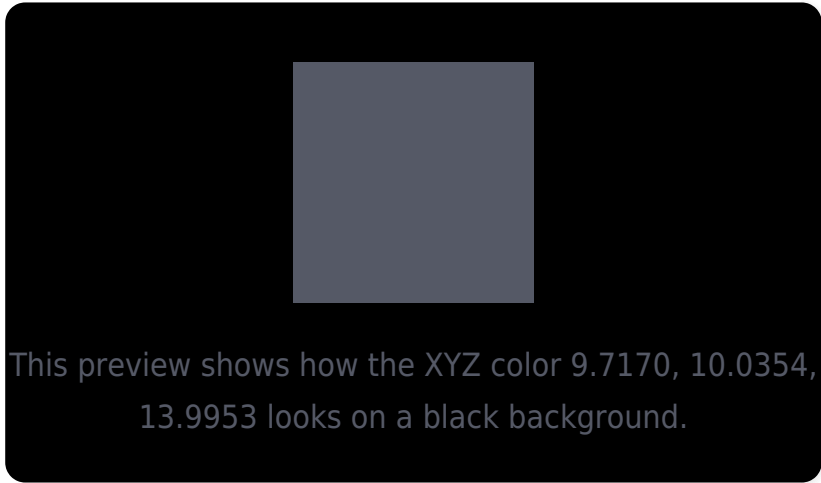
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

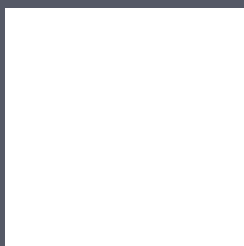
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.7170, 10.0354, 13.9953

Background



This preview shows how black text looks on a background with the XYZ color 9.7170, 10.0354, 13.9953.

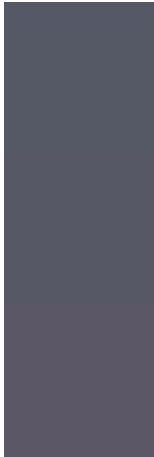


This preview shows how white text looks on a background with the XYZ color 9.7170, 10.0354,

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

9.7170, 10.0354, 13.9953

Protanopia

9.8185, 9.9650, 13.9763

Deuteranopia

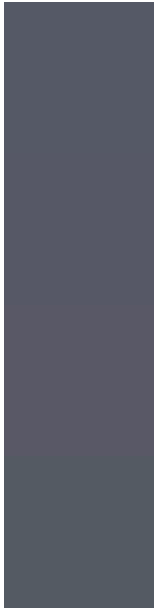
10.1209, 9.9998, 13.9671



Tritanopia

9.4700, 10.0602, 12.7520

Trichromacy



Original Color

9.7170, 10.0354, 13.9953

Protanomaly

9.7257, 9.9172, 13.9720

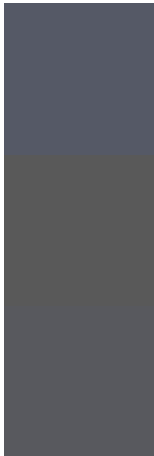
Deuteranomaly

10.0078, 10.0626, 13.9852

Tritanomaly

9.5645, 10.0980, 13.2494

Monochromacy



Original Color

9.7170, 10.0354, 13.9953

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.6173, 10.0276, 12.0183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7170, 10.0354, 13.9953 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, 89, 102) looks like.

```
.text, #text, p{  
    color:rgb(85, 89, 102)  
}
```

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, 89, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 89, 102) }
```

Border

The CSS property to change the border of an element to XYZ 9.7170, 10.0354, 13.9953 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, 89, 102) }
```


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

```
.border{ border-color:rgb(85, 89, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 89, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 89, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 89, 102);  
box-shadow:4px 4px 4px 4px rgb(85, 89,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7170, 10.0354, 13.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 89, 102) }
```

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

```
.background{ background-color: rgb(85, 89,  
102) }
```

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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