

Converting Colors

XYZ(12.6951, 7.7620, 2.6461)

Have a look what the booklet for
XYZ(12.6951, 7.7620, 2.6461)
contains.

XYZ(12.7153, 7.7970, 2.6685)	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(12.7153, 7.7970,
2.6685)**

Conversions

Conversions Part 1

Format	Color
Hex	902B26
RGB	144, 43, 38
RGB Percent	56%, 17%, 15%
CMY	0.4353, 0.8313, 0.8510
CMYK	0.00, 0.70, 0.74, 0.44
HSL	3°, 58%, 36%
HSV	3°, 74%, 56%
XYZ	12.7153, 7.7970, 2.6685
YIQ	72.6290, 61.8010, 19.8570

Conversions

Conversions Part 2

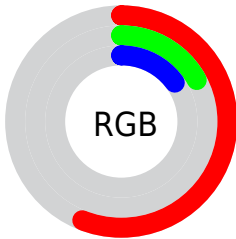
Format	Color
R_{YB}	144, 43, 38
Decimal	9448230
CIE Lab	33.56, 42.12, 27.35
CIE LCh	34, 50.216, 32.998
Yxy	7.7970, 0.5485, 0.3364
Android (android.graphics.Color)	4287638310 (0xFF902B26)
YUV	72.6290, -17.0721, 62.5924
Hunter-Lab	27.9231, 32.4178, 13.8801

Details

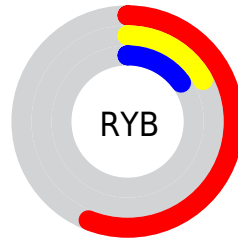
The XYZ color **12.7153, 7.7970, 2.6685** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.0648, 20.8887, 29.6232**, and the grayscale version is **6.2899, 6.6175, 7.2065**.

A 20% lighter version of the original color is **30.2821, 21.5055, 10.7385**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.1087, 6.8864, 1.5335**, and if you desaturate by 10%, it is **13.5800, 9.0801, 4.3332**.

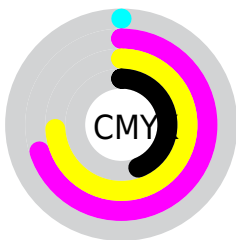
Distribution



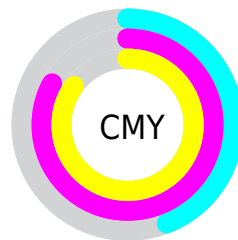
- Red (56%)
- Green (17%)
- Blue (15%)



- Red (56%)
- Yellow (17%)
- Blue (15%)



- Cyan (0%)
- Magenta (70%)
- Yellow (74%)
- Black (44%)





- Cyan (44%)
- Magenta (83%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7153, 7.7970, 2.6685 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 12.7153, 7.7970, 2.6685 by changing the saturation by 10% instead.


 12.7153, 7.7970,
2.6685


 12.7153, 7.7970,
2.6685


202.7596,
174.1310, 132.0196


 7.3084, 3.9653,
0.9275


 30.3970, 21.5595,
10.7989

 3.7038, 1.6542,
0.0000


 43.4026, 32.2591,
18.0258


 1.5360, 0.3937,
0.0000


 59.6718, 46.0169,
27.9186

 0.3501, 0.0000,
0.0000

 79.5700, 63.2171,
40.8958

 0.0000, 0.0000,
0.0000

 103.4625, 84.2443,
57.3759

 131.7147,

109.4827, 77.7776

164.6920,
139.3168, 102.5193

12.7153, 7.7970,
2.6685

12.7153, 7.7970,
2.6685

12.1087, 6.8864,
1.5335

13.5800, 9.0801,
4.3332

11.7308, 6.3073,
0.8633

14.7268, 10.7685,
6.5811

11.5753, 6.0769,
0.5629

16.1775, 12.8928,
9.4599

17.9515, 15.4805,
13.0119

20.0667, 18.5566,
17.2760

■ 22.5398, 22.1444,
22.2880

■ 25.3863, 26.2658,
28.0813

■ 28.6206, 30.9414,
34.6874

■ 32.2566, 36.1905,
42.1359

Harmonies

Analogous

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



13.9514, 7.7970, 7.7305



12.7153, 7.7970, 2.6685



10.0460, 7.7970, 0.9169

Triad

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



12.7153, 7.7970, 2.6685



3.6613, 7.7970, 3.3458



7.6876, 7.7970, 33.9270

Complementary

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



12.7153, 7.7970, 2.6685



15.0648, 20.8887, 29.6232

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.



5.2821, 7.7970, 30.0291



12.7153, 7.7970, 2.6685



3.3209, 7.7970, 9.2968

Square

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



12.7153, 7.7970, 2.6685



4.9133, 7.7970, 1.1070



3.8348, 7.7970, 19.5292



10.6372, 7.7970, 28.2480

Rectangle

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



12.7153, 7.7970, 2.6685



8.0664, 7.7970, 0.5603



3.8348, 7.7970, 19.5292



6.7918, 7.7970, 33.6979

Sweetspot

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



12.7155, 7.7975, 2.6686



35.8664, 33.4167, 31.4275



16.9627, 9.2227, 25.8776



8.0037, 7.3418, 6.7597



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.7155, 7.7975, 2.6686



20.9005, 11.4495, 1.8847



15.9016, 14.1697, 3.7307



5.4281, 5.4624, 5.6576



10.0851, 5.3019, 0.4918



0.0997, 0.0572, 0.0058

Inverse Universe

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



15.0648, 20.8887, 29.6232



25.2198, 35.7310, 52.1056



9.2794, 9.3178, 27.6947



5.5387, 6.0733, 6.9091



12.2032, 17.3924, 25.6910



0.1210, 0.1750, 0.2471

Previews

White Background



This preview shows how the XYZ color 12.7153, 7.7970, 2.6685 looks on a white background.

Color Contrast Check

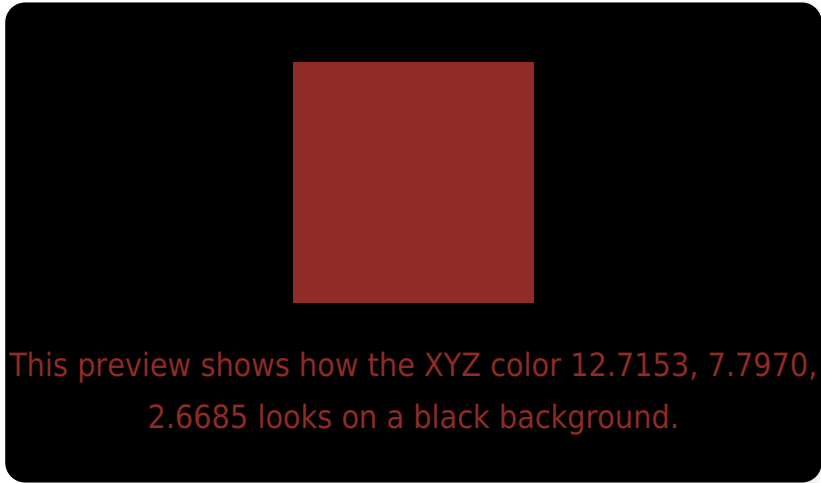
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

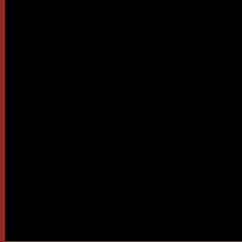
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7153, 7.7970, 2.6685

Background



This preview shows how black text looks on a background with the XYZ color 12.7153, 7.7970, 2.6685.



This preview shows how white text looks on a background with the XYZ color 12.7153, 7.7970,

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

12.7153, 7.7970, 2.6685

Protanopia

7.3749, 7.9938, 4.1719

Deuteranopia

8.0873, 7.9771, 2.4098



Tritanopia

12.7842, 7.7671, 3.2083

Trichromacy



Original Color

12.7153, 7.7970, 2.6685

Protanomaly

8.6846, 7.3997, 3.5553

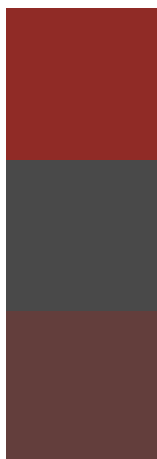
Deuteranomaly

9.3246, 7.4953, 2.4686

Tritanomaly

12.7475, 7.7524, 3.0150

Monochromacy



Original Color

12.7153, 7.7970, 2.6685

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.6838, 6.4241, 5.1100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7153, 7.7970, 2.6685 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(144, 43, 38)` looks like.

```
.text, #text, p{  
  color:rgb(144, 43, 38)  
}
```

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(144, 43, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 43, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.7153, 7.7970, 2.6685 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(144, 43, 38) }
```


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

```
.border{ border-color:rgb(144, 43, 38) }
```

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

Here you see how a box with a 4 pixel rgb(144, 43, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 43, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 43, 38);  
box-shadow:4px 4px 4px 4px rgb(144, 43,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7153, 7.7970, 2.6685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 43, 38) }
```

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

```
.background{ background-color: rgb(144, 43,  
38) }
```

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