

Converting Colors

XYZ(10.2452, 6.9751, 3.8317)

Have a look what the booklet for
XYZ(10.2452, 6.9751, 3.8317)
contains.

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Color

**XYZ(10.2170, 6.9579,
3.8221)**

Conversions

Conversions Part 1

Format	Color
Hex	7D3332
RGB	125, 51, 50
RGB Percent	49%, 20%, 20%
CMY	0.5098, 0.8000, 0.8039
CMYK	0.00, 0.59, 0.60, 0.51
HSL	1°, 43%, 34%
HSV	1°, 60%, 49%
XYZ	10.2170, 6.9579, 3.8221
YIQ	73.0120, 44.4250, 15.3770

Conversions

Conversions Part 2

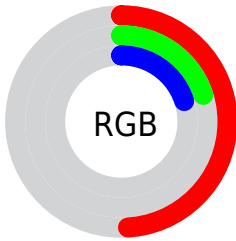
Format	Color
RYB	125, 51, 50
Decimal	8205106
CIELab	31.71, 32.09, 16.77
CIELCh	32, 36.208, 27.600
Yxy	6.9579, 0.4866, 0.3314
Android (android.graphics.Color)	4286395186 (0xFF7D3332)
YUV	73.0120, -11.3449, 45.5935
Hunter-Lab	26.3778, 22.9777, 9.8735

Details

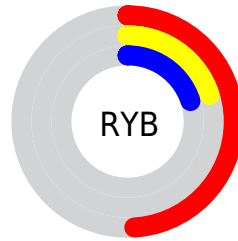
The XYZ color **10.2170, 6.9579, 3.8221** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **12.2242, 16.5731, 21.9566**, and the grayscale version is **6.3490, 6.6796, 7.2741**.

A 20% lighter version of the original color is **25.7245, 19.7826, 13.5289**, and **2.6204, 1.3484, 0.2370** is the 20% darker color. If you saturate the color by 10%, you get **9.5140, 5.9263, 2.4342**, and if you desaturate by 10%, it is **11.1369, 8.3057, 5.6459**.

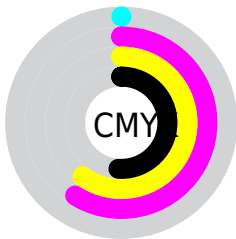
Distribution



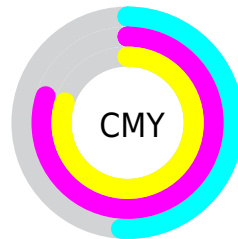
- Red (49%)
- Green (20%)
- Blue (20%)



- Red (49%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (59%)
- Yellow (60%)
- Black (51%)



- Cyan (51%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2170, 6.9579, 3.8221 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 10.2170, 6.9579, 3.8221 by changing the saturation by 10% instead.

10.2170, 6.9579,
3.8221

10.2170, 6.9579,
3.8221

186.2353,
167.3134, 146.2270

5.6064, 3.4358,
1.5283

25.8488, 19.8885,
13.5973

2.6457, 1.3633,
0.2388

37.6009, 30.0657,
21.9158

0.9693, 0.1894,
0.0000

52.4640, 43.2301,
33.0796

0.0000, 0.0000,
0.0000

70.8038, 59.7661,
47.5073

92.9854, 80.0580,
65.6173

119.3743,

104.4903, 87.8282

150.3358,
133.4473, 114.5586

■ 10.2170, 6.9579,
3.8221

■ 10.2170, 6.9579,
3.8221

■ 9.5140, 5.9263,
2.4342

■ 11.1369, 8.3057,
5.6459

■ 9.0098, 5.1840,
1.4455

■ 12.2892, 9.9914,
7.9375

■ 8.6840, 4.7020,
0.8140

■ 13.6881, 12.0361,
10.7261

■ 8.4756, 4.3963,
0.4019

■ 15.3470, 14.4588,
14.0386

■ 8.4756, 4.3963,
0.4019

■ 17.2781, 17.2772,
17.8998

■ 19.4927, 20.5079,
22.3331

■ 22.0018, 24.1666,
27.3605

■ 24.8155, 28.2681,
33.0026

■ 27.9436, 32.8264,
39.2793

Harmonies

Analogous

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



10.7532, 6.9579, 8.0027



10.2170, 6.9579, 3.8221



8.6671, 6.9579, 1.8796

Triad

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



10.2170, 6.9579, 3.8221



4.0807, 6.9579, 3.3804



6.4681, 6.9579, 22.6112

Complementary

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



10.2170, 6.9579, 3.8221



12.2242, 16.5731, 21.9566

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.



4.9126, 6.9579, 19.5505



10.2170, 6.9579, 3.8221



3.7012, 6.9579, 7.1647

Square

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



10.2170, 6.9579, 3.8221



5.1234, 6.9579, 1.7190



3.9756, 6.9579, 13.2201



8.3672, 6.9579, 20.3494

Rectangle

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



10.2170, 6.9579, 3.8221



7.3921, 6.9579, 1.4038



3.9756, 6.9579, 13.2201



5.8912, 6.9579, 22.1488

Sweetspot

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



10.2172, 6.9583, 3.8222



27.9912, 26.6343, 26.1556



13.2997, 8.1219, 20.2687



6.1875, 5.7963, 5.5908



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.2172, 6.9583, 3.8222



16.6597, 10.0571, 3.6166



12.4820, 11.4879, 4.5772



4.3320, 4.3528, 4.5320



8.8456, 4.5876, 0.4193



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2242, 16.5731, 21.9566



20.5966, 28.9348, 39.2438



8.4659, 9.0564, 20.7039



4.4417, 4.8773, 5.5206



11.2979, 16.4143, 22.8228



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2170, 6.9579, 3.8221 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

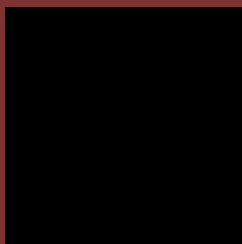
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2170, 6.9579, 3.8221

Background



This preview shows how black text looks on a background with the XYZ color 10.2170, 6.9579, 3.8221.

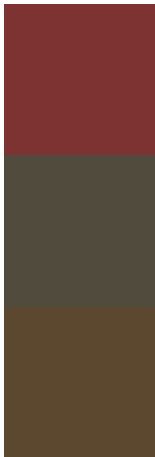


This preview shows how white text looks on a background with the XYZ color 10.2170, 6.9579,

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

10.2170, 6.9579, 3.8221

Protanopia

6.6400, 7.0639, 5.2885

Deuteranopia

7.1249, 7.0561, 3.5712



Tritanopia

10.2639, 6.9075, 4.2823

Trichromacy



Original Color

10.2170, 6.9579, 3.8221

Protanomaly

7.4859, 6.6687, 4.6340

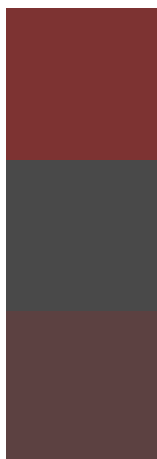
Deuteranomaly

7.9400, 6.7556, 3.5748

Tritanomaly

10.2407, 6.8982, 4.1599

Monochromacy



Original Color

10.2170, 6.9579, 3.8221

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.2581, 6.4376, 5.8611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2170, 6.9579, 3.8221 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(125, 51, 50)` looks like.

```
.text, #text, p{  
    color:rgb(125, 51, 50)  
}
```

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(125, 51, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 51, 50) }
```

Border

The CSS property to change the border of an element to XYZ 10.2170, 6.9579, 3.8221 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(125, 51, 50) }
```


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

```
.border{ border-color:rgb(125, 51, 50) }
```

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

Here you see how a box with a 4 pixel rgb(125, 51, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 51, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 51, 50);  
box-shadow:4px 4px 4px 4px rgb(125, 51,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2170, 6.9579, 3.8221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 51, 50) }
```

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

```
.background{ background-color: rgb(125, 51,  
50) }
```

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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