

Converting Colors

XYZ(16.7144, 10.4742, 3.2746)

Have a look what the booklet for
XYZ(16.7144, 10.4742, 3.2746)
contains.

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Color

**XYZ(16.7776, 10.4928,
3.2389)**

Conversions

Conversions Part 1

Format	Color
Hex	A33529
RGB	163, 53, 41
RGB Percent	64%, 21%, 16%
CMY	0.3608, 0.7921, 0.8392
CMYK	0.00, 0.67, 0.75, 0.36
HSL	6°, 60%, 40%
HSV	6°, 75%, 64%
XYZ	16.7776, 10.4928, 3.2389
YIQ	84.5220, 69.4120, 19.5880

Conversions

Conversions Part 2

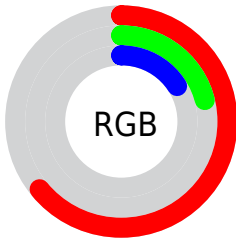
Format	Color
R_{YB}	163, 54, 41
Decimal	10695977
CIE _{Lab}	38.71, 44.65, 32.36
CIE _{LCh}	39, 55.144, 35.936
Yxy	10.4928, 0.5499, 0.3439
Android (android.graphics.Color)	4288886057 (0xFFA33529)
YUV	84.5220, -21.4563, 68.8252
Hunter-Lab	32.3926, 35.7663, 16.7465

Details

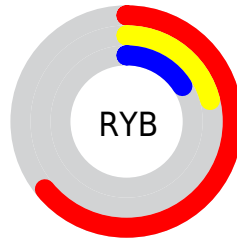
The XYZ color **16.7776, 10.4928, 3.2389** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.5910, 25.2470, 38.5434**, and the grayscale version is **8.5685, 9.0147, 9.8171**.

A 20% lighter version of the original color is **37.6148, 26.8435, 12.2156**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.9795, 9.2616, 1.8483**, and if you desaturate by 10%, it is **17.8994, 12.1833, 5.3186**.

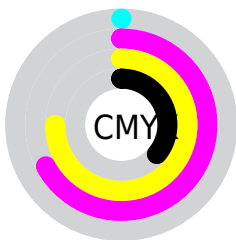
Distribution



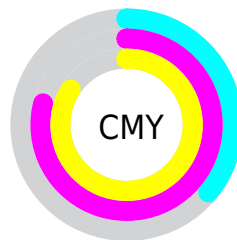
- Red (64%)
- Green (21%)
- Blue (16%)



- Red (64%)
- Yellow (21%)
- Blue (16%)



- Cyan (0%)
- Magenta (67%)
- Yellow (75%)
- Black (36%)





- Cyan (36%)
- Magenta (79%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7776, 10.4928, 3.2389 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 16.7776, 10.4928, 3.2389 by changing the saturation by 10% instead.


 16.7776, 10.4928,
3.2389


 16.7776, 10.4928,
3.2389


227.0688,
194.1540, 139.3475


 10.1704, 5.7269,
1.2179


 37.4896, 26.7184,
12.2125


 5.5752, 2.6797,
0.0000

 52.3252, 38.9468,
20.0021


 2.6267, 0.9669,
0.0000

 70.6342, 54.4316,
30.5516

 0.9596, 0.0000,
0.0000

 92.7820, 73.5571,
44.2797

 0.0000, 0.0000,
0.0000

 119.1340, 96.7077,
61.6047

 150.0556,

124.2678, 82.9454

185.9121,
156.6217, 108.7201

16.7776, 10.4928,
3.2389

16.7776, 10.4928,
3.2389

15.9795, 9.2616,
1.8483

17.8994, 12.1833,
5.3186

15.4689, 8.4424,
1.0555

19.3742, 14.3704,
8.1610

15.2901, 8.1583,
0.7688

21.2288, 17.0898,
11.8306

23.4872, 20.3734,
16.3851

26.1713, 24.2505,
21.8769

■ 29.3016, 28.7483,
28.3545

■ 32.8971, 33.8925,
35.8628

■ 36.9757, 39.7072,
44.4441

■ 41.5545, 46.2154,
54.1383

Harmonies

Analogous

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



18.6754, 10.4928, 9.4755



16.7776, 10.4928, 3.2389



13.1063, 10.4928, 1.1579

Triad

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



16.7776, 10.4928, 3.2389



4.8519, 10.4928, 5.0478



10.7143, 10.4928, 45.1862

Complementary

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



16.7776, 10.4928, 3.2389



18.5910, 25.2470, 38.5434

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.



7.3838, 10.4928, 41.2220



16.7776, 10.4928, 3.2389



4.5075, 10.4928, 13.6248

Square

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



16.7776, 10.4928, 3.2389



6.4049, 10.4928, 1.6692



5.3134, 10.4928, 27.6792



14.6681, 10.4928, 36.5370

Rectangle

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



16.7776, 10.4928, 3.2389



10.4771, 10.4928, 0.8208



5.3134, 10.4928, 27.6792



9.4855, 10.4928, 45.3291

Sweetspot

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



16.7778, 10.4934, 3.2391



48.1628, 45.2904, 41.8423



21.6331, 11.6668, 31.1765



10.5128, 9.7339, 8.7705



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.7778, 10.4934, 3.2391



27.9432, 15.5114, 2.2387



21.3170, 19.5718, 4.7521



7.1273, 7.1929, 7.3928



11.9000, 6.3739, 0.6031



0.2657, 0.1653, 0.0179

Inverse Universe

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



18.5910, 25.2470, 38.5434



31.2012, 42.9949, 68.7105



11.3381, 10.7413, 36.1258



7.2163, 7.8916, 9.0460



13.2604, 18.3002, 29.7632



0.2946, 0.4165, 0.6307

Previews

White Background



This preview shows how the XYZ color 16.7776, 10.4928, 3.2389 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 16.7776, 10.4928, 3.2389 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 16.7776, 10.4928, 3.2389

Background



This preview shows how black text looks on a background with the XYZ color 16.7776, 10.4928, 3.2389.



This preview shows how white text looks on a background with the XYZ color 16.7776, 10.4928,

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

16.7776, 10.4928, 3.2389

Protanopia

9.8366, 10.6780, 4.9108

Deuteranopia

10.8487, 10.7398, 3.0146



Tritanopia

16.9539, 10.4205, 4.6078

Trichromacy



Original Color

16.7776, 10.4928, 3.2389

Protanomaly

11.5909, 9.9556, 4.2164

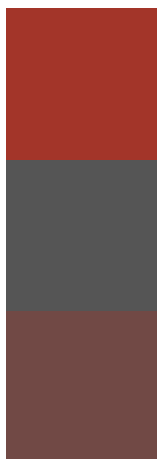
Deuteranomaly

12.3657, 10.0713, 3.0425

Tritanomaly

16.8866, 10.4643, 4.0355

Monochromacy



Original Color

16.7776, 10.4928, 3.2389

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.2668, 8.7055, 6.7694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7776, 10.4928, 3.2389 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(163, 53, 41)` looks like.

```
.text, #text, p{  
    color:rgb(163, 53, 41)  
}
```

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(163, 53, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 53, 41) }
```

Border

The CSS property to change the border of an element to XYZ 16.7776, 10.4928, 3.2389 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(163, 53, 41) }
```


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

```
.border{ border-color:rgb(163, 53, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 53, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 53, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 53, 41);  
box-shadow:4px 4px 4px 4px rgb(163, 53,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7776, 10.4928, 3.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 53, 41) }
```

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

```
.background{ background-color: rgb(163, 53,  
41) }
```

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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