

Converting Colors

XYZ(16.6918, 10.3095, 2.2469)

Have a look what the booklet for
XYZ(16.6918, 10.3095, 2.2469)
contains.

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Color

**XYZ(16.7154, 10.3489,
2.2789)**

Conversions

Conversions Part 1

Format	Color
Hex	A4331D
RGB	164, 51, 29
RGB Percent	64%, 20%, 11%
CMY	0.3569, 0.8000, 0.8863
CMYK	0.00, 0.69, 0.82, 0.36
HSL	10°, 70%, 38%
HSV	10°, 82%, 64%
XYZ	16.7154, 10.3489, 2.2789
YIQ	82.2790, 74.4100, 17.1140

Conversions

Conversions Part 2

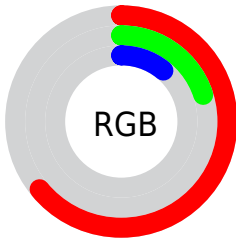
Format	Color
RYB	164, 55, 29
Decimal	10760989
CIELab	38.46, 45.38, 38.78
CIELCh	38, 59.698, 40.515
Yxy	10.3489, 0.5697, 0.3527
Android (android.graphics.Color)	4288951069 (0xFFA4331D)
YUV	82.2790, -26.2665, 71.6693
Hunter-Lab	32.1697, 36.4517, 18.3187

Details

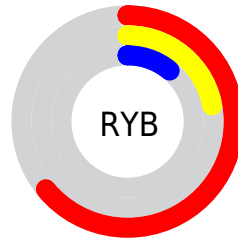
The XYZ color **16.7154, 10.3489, 2.2789** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.8791, 22.2849, 38.5333**, and the grayscale version is **8.1175, 8.5402, 9.3003**.

A 20% lighter version of the original color is **37.2717, 26.4162, 9.7910**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **16.0501, 9.2612, 1.3091**, and if you desaturate by 10%, it is **17.6662, 11.8352, 3.8765**.

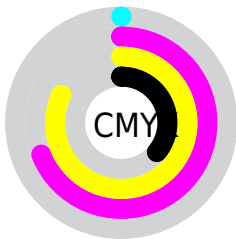
Distribution



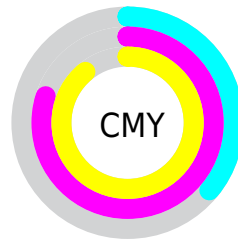
- Red (64%)
- Green (20%)
- Blue (11%)



- Red (64%)
- Yellow (22%)
- Blue (11%)



- Cyan (0%)
- Magenta (69%)
- Yellow (82%)
- Black (36%)



- Cyan (36%)
- Magenta (80%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7154, 10.3489, 2.2789 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 16.7154, 10.3489, 2.2789 by changing the saturation by 10% instead.

■ 16.7154, 10.3489,
2.2789

■ 16.7154, 10.3489,
2.2789

226.7153,
193.1444, 126.5674

■ 10.1258, 5.6309,
0.7194

■ 37.3833, 26.4497,
9.7902

■ 5.5454, 2.6220,
0.0000

■ 52.1923, 38.6013,
16.5991

■ 2.6087, 0.9377,
0.0000

■ 70.4719, 53.9996,
26.0017

■ 0.9504, 0.0000,
0.0000


■ 92.5874, 73.0289,
38.4164


■ 0.0000, 0.0000,
0.0000


■ 118.9041, 96.0736,
54.2618


■ 149.7874,


123.5182, 73.9564

 185.6027,
155.7470, 97.9187


 16.7154, 10.3489,
2.2789


 16.7154, 10.3489,
2.2789


 16.0501, 9.2612,
1.3091


 17.6662, 11.8352,
3.8765

 15.6956, 8.6642,
0.8451

 18.9309, 13.7525,
6.1855

 20.5354, 16.1321,
9.2769

 22.5022, 19.0017,
13.2131

 24.8522, 22.3866,
18.0501

■ 27.6043, 26.3107,
23.8391

■ 30.7765, 30.7962,
30.6275

■ 34.3856, 35.8640,
38.4595

■ 38.4472, 41.5341,
47.3765

Harmonies

Analogous

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



19.2132, 10.3489, 7.7836



16.7154, 10.3489, 2.2789



12.5578, 10.3489, 0.7015

Triad

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



16.7154, 10.3489, 2.2789



4.3223, 10.3489, 5.5122



11.2703, 10.3489, 48.3597

Complementary

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



16.7154, 10.3489, 2.2789



16.8791, 22.2849, 38.5333

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.



7.5395, 10.3489, 46.0984



16.7154, 10.3489, 2.2789



4.1491, 10.3489, 15.6628

Square

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



16.7154, 10.3489, 2.2789



5.7223, 10.3489, 1.5541



5.1632, 10.3489, 31.7906



15.5612, 10.3489, 36.7763

Rectangle

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



16.7154, 10.3489, 2.2789



9.7690, 10.3489, 0.4627



5.1632, 10.3489, 31.7906



9.9039, 10.3489, 49.3167

Sweetspot

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



16.7156, 10.3495, 2.2791



48.4509, 45.4046, 39.7669



20.7639, 10.7771, 27.2710



10.2283, 9.4074, 7.9279



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.



16.7156, 10.3495, 2.2791



28.4544, 15.6363, 1.5799



21.8636, 20.6454, 3.9950



7.1628, 7.2639, 7.4046



12.0592, 6.6924, 0.6562



0.2782, 0.1903, 0.0221

Inverse Universe

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



16.8791, 22.2849, 38.5333



28.4365, 37.3722, 69.4671



9.8092, 8.1449, 36.1767



7.1774, 7.8137, 9.0330



12.0551, 15.8895, 29.3614



0.2779, 0.3831, 0.6252

Previews

White Background



This preview shows how the XYZ color 16.7154, 10.3489, 2.2789 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 16.7154, 10.3489, 2.2789 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 16.7154, 10.3489, 2.2789

Background



This preview shows how black text looks on a background with the XYZ color 16.7154, 10.3489, 2.2789.



This preview shows how white text looks on a background with the XYZ color 16.7154, 10.3489,

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

16.7154, 10.3489, 2.2789

Protanopia

9.6896, 10.6323, 3.5490

Deuteranopia

10.5796, 10.5017, 1.9997



Tritanopia

17.1715, 10.3523, 4.2251

Trichromacy



Original Color

16.7154, 10.3489, 2.2789

Protanomaly

11.4298, 9.7951, 2.9573

Deuteranomaly

12.2570, 9.9382, 1.9817

Tritanomaly

17.0514, 10.3704, 3.3885

Monochromacy



Original Color

16.7154, 10.3489, 2.2789

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.8325, 8.3101, 5.7884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7154, 10.3489, 2.2789 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(164, 51, 29)` looks like.

```
.text, #text, p{  
    color:rgb(164, 51, 29)  
}
```

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(164, 51, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 51, 29) }
```

Border

The CSS property to change the border of an element to XYZ 16.7154, 10.3489, 2.2789 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(164, 51, 29) }
```


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

```
.border{ border-color:rgb(164, 51, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 51, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 51, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 51, 29);  
box-shadow:4px 4px 4px 4px rgb(164, 51,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7154, 10.3489, 2.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 51, 29) }
```

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

```
.background{ background-color: rgb(164, 51,  
29) }
```

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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