

Converting Colors

XYZ(16.3287, 20.5014, 5.2643)

Have a look what the booklet for
XYZ(16.3287, 20.5014, 5.2643)
contains.

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Color

**XYZ(16.2799, 20.3928,
5.2687)**

Conversions

Conversions Part 1

Format	Color
Hex	78832A
RGB	120, 131, 42
RGB Percent	47%, 51%, 16%
CMY	0.5294, 0.4863, 0.8353
CMYK	0.08, 0.00, 0.68, 0.49
HSL	67°, 51%, 34%
HSV	67°, 68%, 51%
XYZ	16.2799, 20.3928, 5.2687
YIQ	117.5650, 22.0130, -30.0110

Conversions

Conversions Part 2

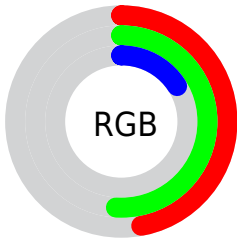
Format	Color
RYB	42, 131, 53
Decimal	7897898
CIELab	52.28, -16.63, 44.84
CIElCh	52, 47.824, 110.343
Yxy	20.3928, 0.3882, 0.4862
Android (android.graphics.Color)	4286087978 (0xFF78832A)
YUV	117.5650, -37.2535, 2.1355
Hunter-Lab	45.1584, -14.6767, 24.6934

Details

The XYZ color **16.2799, 20.3928, 5.2687** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.3936, 4.0520, 21.9191**, and the grayscale version is **17.1922, 18.0875, 19.6973**.

A 20% lighter version of the original color is **36.5718, 44.0700, 16.9347**, and **5.4012, 7.2635, 1.1173** is the 20% darker color. If you saturate the color by 10%, you get **15.8602, 20.1999, 4.2192**, and if you desaturate by 10%, it is **16.7810, 20.6202, 6.7231**.

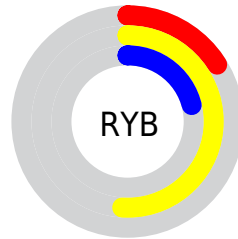
Distribution



Red (47%)

Green (51%)

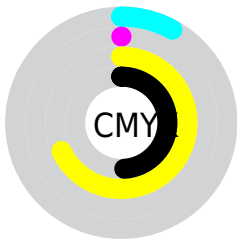
Blue (16%)



Red (16%)

Yellow (51%)

Blue (21%)

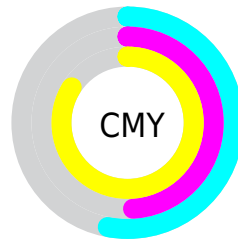


Cyan (8%)

Magenta (0%)

Yellow (68%)

Black (49%)



Cyan (53%)

Magenta (49%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2799, 20.3928, 5.2687 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 16.2799, 20.3928, 5.2687 by changing the saturation by 10% instead.

■ 16.2799, 20.3928,
5.2687

■ 16.2799, 20.3928,
5.2687

224.2258,
254.0337, 161.4272

■ 9.8145, 12.6809,
2.3443

■ 36.6370, 44.0748,
16.8437

■ 5.3375, 7.2092,
0.7559

■ 51.2594, 60.8136,
26.3313

■ 2.4834, 3.5933,
0.0000

■ 69.3316, 81.3302,
38.8438

■ 0.8869, 1.4487,
0.0000

■ 91.2188, 106.0090,
54.7996

■ 0.0000, 0.2522,
0.0000

■ 117.2865,
135.2344, 74.6173

■ 0.0000, 0.0000,
0.0000

■ 147.9000,

169.3907, 98.7154

183.4246,
208.8623, 127.5126

■ 16.2799, 20.3928,
5.2687

■ 16.2799, 20.3928,
5.2687

■ 15.8602, 20.1999,
4.2192

■ 16.7810, 20.6202,
6.7231

■ 15.5127, 20.0356,
3.5322

■ 17.3690, 20.8820,
8.6167

■ 15.2202, 19.8938,
3.1153

■ 18.0502, 21.1815,
10.9817

■ 15.1615, 19.8652,
3.0353

■ 18.8302, 21.5210,
13.8467

■ 19.7141, 21.9025,
17.2382

■ 20.7065, 22.3279,
21.1809

■ 21.8118, 22.7988,
25.6978

■ 23.0341, 23.3171,
30.8107

■ 24.3775, 23.8842,
36.5401

Harmonies

Analogous

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



21.0113, 20.3928, 4.7844



16.2799, 20.3928, 5.2687



12.9802, 20.3928, 9.0247

Triad

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



16.2799, 20.3928, 5.2687



13.9563, 20.3928, 50.2338



30.2698, 20.3928, 27.0600

Complementary

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



16.2799, 20.3928, 5.2687



6.3936, 4.0520, 21.9191

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.



27.6054, 20.3928, 44.3388



16.2799, 20.3928, 5.2687



17.8406, 20.3928, 60.9927

Square

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



16.2799, 20.3928, 5.2687



11.8044, 20.3928, 33.0033



22.8567, 20.3928, 58.4697



29.6608, 20.3928, 14.0626

Rectangle

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



16.2799, 20.3928, 5.2687



11.7766, 20.3928, 14.2887



22.8567, 20.3928, 58.4697



29.7123, 20.3928, 32.6078

Sweetspot

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



16.2804, 20.3937, 5.2691



34.8843, 39.0409, 29.2438



11.0239, 7.4834, 3.0542



8.0317, 9.0507, 6.4612



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.2804, 20.3937, 5.2691



28.0155, 35.9906, 6.7496



11.5248, 17.9421, 5.0466



4.9846, 5.3946, 5.0079



14.9249, 19.5540, 2.9877



0.0557, 0.0698, 0.0105

Inverse Universe

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



6.3936, 4.0520, 21.9191



9.0424, 4.5319, 38.8513



9.8428, 5.8301, 22.0805



4.4841, 4.5701, 5.8465



4.2477, 1.7239, 21.2456



0.0179, 0.0076, 0.0738

Previews

White Background



This preview shows how the XYZ color 16.2799, 20.3928, 5.2687 looks on a white background.

Color Contrast Check

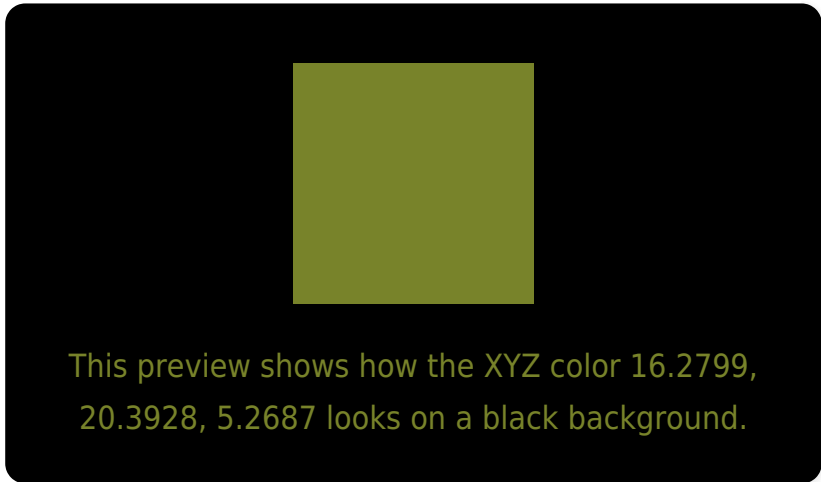
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

XYZ 16.2799, 20.3928, 5.2687

Background



This preview shows how black text looks on a background with the XYZ color 16.2799, 20.3928, 5.2687.



This preview shows how white text looks on a background with the XYZ color 16.2799, 20.3928,

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

16.2799, 20.3928, 5.2687

Protanopia

18.3641, 20.3094, 4.9597

Deuteranopia

20.4891, 20.1227, 5.3889



Tritanopia

20.1777, 20.2521, 24.6754

Trichromacy



Original Color

16.2799, 20.3928, 5.2687

Protanomaly

17.5053, 20.2444, 5.0827

Deuteranomaly

18.7119, 20.1062, 5.3773

Tritanomaly

18.1899, 20.0037, 14.7068

Monochromacy



Original Color

16.2799, 20.3928, 5.2687

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.5362, 18.8260, 12.4351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2799, 20.3928, 5.2687 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(120, 131, 42)` looks like.

```
.text, #text, p{  
    color:rgb(120, 131, 42)  
}
```

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(120, 131, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 131, 42) }
```

Border

The CSS property to change the border of an element to XYZ 16.2799, 20.3928, 5.2687 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(120, 131, 42) }
```


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

```
.border{ border-color:rgb(120, 131, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 131, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 131, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 131, 42);  
box-shadow:4px 4px 4px 4px rgb(120, 131,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2799, 20.3928, 5.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 131, 42) }
```

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

```
.background{ background-color: rgb(120,  
131, 42) }
```

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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