

Converting Colors

XYZ(19.9938, 17.3514, 2.7985)

Have a look what the booklet for
XYZ(19.9938, 17.3514, 2.7985)
contains.

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Color

**XYZ(19.9492, 17.3267,
2.7832)**

Conversions

Conversions Part 1

Format	Color
Hex	A36610
RGB	163, 102, 16
RGB Percent	64%, 40%, 6%
CMY	0.3608, 0.6000, 0.9372
CMYK	0.00, 0.37, 0.90, 0.36
HSL	35°, 82%, 35%
HSV	35°, 90%, 64%
XYZ	19.9492, 17.3267, 2.7832
YIQ	110.4350, 63.9620, -13.8140

Conversions

Conversions Part 2

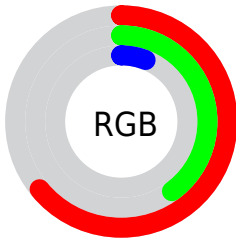
Format	Color
R_{YB}	120, 163, 16
Decimal	10708496
CIE _{Lab}	48.67, 18.40, 52.58
CIE _{LCh}	49, 55.709, 70.717
Yxy	17.3267, 0.4980, 0.4325
Android (android.graphics.Color)	4288898576 (0xFFA36610)
YUV	110.4350, -46.5565, 46.0995
Hunter-Lab	41.6254, 12.7028, 25.1734

Details

The XYZ color **19.9492, 17.3267, 2.7832** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.4785, 8.0623, 35.7068**, and the grayscale version is **15.0638, 15.8483, 17.2588**.

A 20% lighter version of the original color is **42.9281, 38.9126, 11.0427**, and **7.3100, 5.7965, 0.7336** is the 20% darker color. If you saturate the color by 10%, you get **19.2292, 16.0365, 2.0819**, and if you desaturate by 10%, it is **20.8130, 18.7804, 3.9164**.

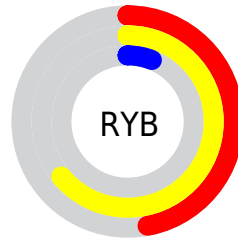
Distribution



Red (64%)

Green (40%)

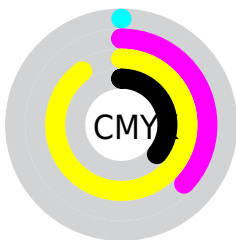
Blue (6%)



Red (47%)

Yellow (64%)

Blue (6%)

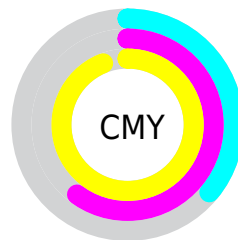


Cyan (0%)

Magenta (37%)

Yellow (90%)

Black (36%)



Cyan (36%)

Magenta (60%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9492, 17.3267, 2.7832 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 19.9492, 17.3267, 2.7832 by changing the saturation by 10% instead.

■ 19.9492, 17.3267,
2.7832

■ 19.9492, 17.3267,
2.7832

244.4788,
237.0481, 133.5496

■ 12.4662, 10.4677,
0.9850

■ 42.8366, 38.8866,
11.0886

■ 7.1364, 5.7101,
0.0000

■ 58.9717, 54.3564,
18.4329

■ 3.5947, 2.6696,
0.0000

■ 78.7215, 73.4651,
28.4631

■ 1.4755, 0.9618,
0.0000

■ 102.4513, 96.5973,
41.5975


■ 0.3091, 0.0000,
0.0000


■ 130.5267,
124.1373, 58.2549


■ 0.0000, 0.0000,
0.0000


■ 163.3128,


156.4695, 78.8536


 201.1750,
193.9783, 103.8124


 19.9492, 17.3267,
2.7832


 19.9492, 17.3267,
2.7832


 19.2292, 16.0365,
2.0819

 20.8130, 18.7804,
3.9164

 21.8418, 20.3881,
5.6463

 23.0515, 22.1588,
8.0488

 24.4551, 24.0998,
11.1877

 26.0647, 26.2175,
15.1198

■ 27.8908, 28.5179,
19.8959

■ 29.9434, 31.0069,
25.5628

■ 32.2316, 33.6895,
32.1635

■ 34.7640, 36.5711,
39.7385

Harmonies

Analogous

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



25.1433, 17.3267, 5.7783



19.9492, 17.3267, 2.7832



14.6998, 17.3267, 2.4890

Triad

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



19.9492, 17.3267, 2.7832



8.5472, 17.3267, 24.6280



23.7857, 17.3267, 49.4405

Complementary

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



19.9492, 17.3267, 2.7832



9.4785, 8.0623, 35.7068

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.



18.3737, 17.3267, 62.5234



19.9492, 17.3267, 2.7832



10.0610, 17.3267, 43.9777

Square

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



19.9492, 17.3267, 2.7832



8.7961, 17.3267, 10.9834



13.4182, 17.3267, 60.1246



27.6572, 17.3267, 29.8300

Rectangle

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



19.9492, 17.3267, 2.7832



11.9223, 17.3267, 3.5023



13.4182, 17.3267, 60.1246



22.0445, 17.3267, 55.1144

Sweetspot

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



19.9496, 17.3276, 2.7835



50.8953, 52.2348, 38.1925



16.6380, 8.6966, 7.8698



11.1761, 11.4182, 7.8884



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.



19.9496, 17.3276, 2.7835



34.2365, 28.3170, 3.6613



25.9069, 32.7871, 5.4535



7.4019, 7.7421, 7.4843



14.9903, 12.5545, 1.6332



0.3600, 0.3539, 0.0493

Inverse Universe

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



9.4785, 8.0623, 35.7068



15.3148, 11.6863, 63.5046



7.2821, 3.2655, 34.8967



6.9306, 7.3203, 8.9507



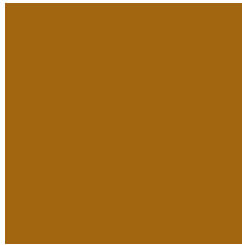
6.7702, 5.3197, 27.5998



0.1884, 0.2040, 0.5953

Previews

White Background



This preview shows how the XYZ color 19.9492, 17.3267, 2.7832 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 19.9492, 17.3267, 2.7832 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 19.9492, 17.3267, 2.7832

Background



This preview shows how black text looks on a background with the XYZ color 19.9492, 17.3267, 2.7832.



This preview shows how white text looks on a background with the XYZ color 19.9492, 17.3267,

2.7832.

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

19.9492, 17.3267, 2.7832

Protanopia

15.7317, 17.3666, 3.1848

Deuteranopia

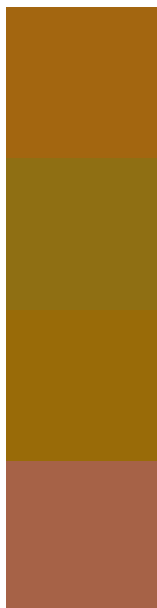
17.6305, 17.3637, 2.5372



Tritanopia

22.4268, 17.3592, 14.7390

Trichromacy



Original Color

19.9492, 17.3267, 2.7832

Protanomaly

17.1297, 17.2555, 3.0439

Deuteranomaly

18.4384, 17.3052, 2.5982

Tritanomaly

21.2309, 17.2973, 8.1810

Monochromacy



Original Color

19.9492, 17.3267, 2.7832

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.6155, 15.7043, 9.0457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9492, 17.3267, 2.7832 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, 102, 16)` looks like.

```
.text, #text, p{  
    color:rgb(163, 102, 16)  
}
```

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, 102, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 102, 16) }
```

Border

The CSS property to change the border of an element to XYZ 19.9492, 17.3267, 2.7832 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, 102, 16) }
```


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

```
.border{ border-color:rgb(163, 102, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 102, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 102, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 102, 16);  
box-shadow:4px 4px 4px 4px rgb(163, 102,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9492, 17.3267, 2.7832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 102, 16) }
```

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

```
.background{ background-color: rgb(163,  
102, 16) }
```

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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