

Converting Colors

XYZ(20.7902, 18.7387, 4.6932)

Have a look what the booklet for
XYZ(20.7902, 18.7387, 4.6932)
contains.

XYZ(20.7868, 18.7858, 4.7209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.7868, 18.7858,
4.7209)**

Conversions

Conversions Part 1

Format	Color
Hex	A26D2A
RGB	162, 109, 42
RGB Percent	64%, 43%, 16%
CMY	0.3647, 0.5725, 0.8353
CMYK	0.00, 0.33, 0.74, 0.36
HSL	34°, 59%, 40%
HSV	34°, 74%, 64%
XYZ	20.7868, 18.7858, 4.7209
YIQ	117.2090, 53.0950, -9.6010

Conversions

Conversions Part 2

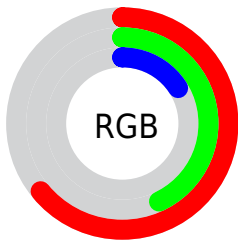
Format	Color
R_{YB}	137, 162, 42
Decimal	10644778
CIE Lab	50.44, 14.88, 44.28
CIE LCh	50, 46.717, 71.421
Yxy	18.7858, 0.4693, 0.4241
Android (android.graphics.Color)	4288834858 (0xFFA26D2A)
YUV	117.2090, -37.0780, 39.2817
Hunter-Lab	43.3426, 9.7578, 23.8819

Details

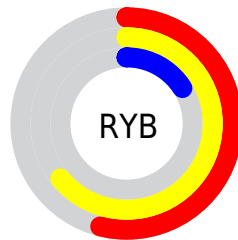
The XYZ color **20.7868, 18.7858, 4.7209** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.5683, 11.2847, 35.7505**, and the grayscale version is **17.0737, 17.9629, 19.5616**.

A 20% lighter version of the original color is **44.1484, 41.4607, 15.5734**, and **7.6126, 6.4017, 0.8344** is the 20% darker color. If you saturate the color by 10%, you get **19.8211, 17.2283, 3.2464**, and if you desaturate by 10%, it is **21.9327, 20.5163, 6.8340**.

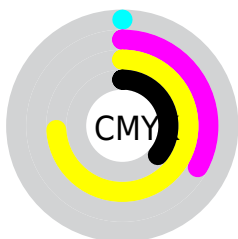
Distribution



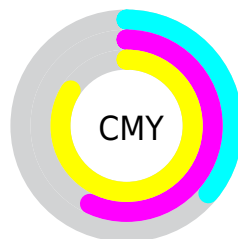
- Red (64%)
- Green (43%)
- Blue (16%)



- Red (54%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (33%)
- Yellow (74%)
- Black (36%)



- Cyan (36%)
- Magenta (57%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7868, 18.7858, 4.7209 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 20.7868, 18.7858, 4.7209 by changing the saturation by 10% instead.

■ 20.7868, 18.7858,
4.7209

■ 20.7868, 18.7858,
4.7209

248.8965,
245.2637, 155.9296

■ 13.0798, 11.5156,
2.0286

■ 44.2264, 41.3718,
15.6409

■ 7.5609, 6.4148,
0.5728

■ 60.6897, 57.4565,
24.7057

■ 3.8647, 3.0989,
0.0000

■ 80.8025, 77.2480,
36.7318

■ 1.6259, 1.1836,
0.0000

■ 104.9302,
101.1309, 52.1376

■ 0.4092, 0.0482,
0.0000

■ 133.4381,
129.4895, 71.3418

■ 0.0000, 0.0000,
0.0000

■ 166.6915,

162.7083, 94.7628

205.0559,
201.1715, 122.8192

■ 20.7868, 18.7858,
4.7209

■ 20.7868, 18.7858,
4.7209

■ 19.8211, 17.2283,
3.2464

■ 21.9327, 20.5163,
6.8340

■ 19.0176, 15.8321,
2.3293

■ 23.2717, 22.4250,
9.6516

■ 18.5948, 15.0707,
1.9289

■ 24.8163, 24.5198,
13.2325

■ 26.5779, 26.8074,
17.6288

■ 28.5667, 29.2940,
22.8880

■ 30.7921, 31.9854,
29.0542

■ 33.2631, 34.8870,
36.1680

■ 35.9881, 38.0043,
44.2680

■ 38.9751, 41.3421,
53.3903

Harmonies

Analogous

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



25.2426, 18.7858, 7.9627



20.7868, 18.7858, 4.7209



16.1802, 18.7858, 4.4231

Triad

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



20.7868, 18.7858, 4.7209



10.5863, 18.7858, 25.8216



24.2833, 18.7858, 45.5464

Complementary

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



20.7868, 18.7858, 4.7209



11.5683, 11.2847, 35.7505

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.



19.6423, 18.7858, 56.1003



20.7868, 18.7858, 4.7209



12.0714, 18.7858, 41.8821

Square

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



20.7868, 18.7858, 4.7209



10.7868, 18.7858, 13.4720



15.2133, 18.7858, 54.5308



27.4857, 18.7858, 29.5094

Rectangle

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



20.7868, 18.7858, 4.7209



13.6760, 18.7858, 5.6682



15.2133, 18.7858, 54.5308



22.8096, 18.7858, 50.1074

Sweetspot

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



20.7872, 18.7868, 4.7213



52.4997, 53.9641, 43.2879



17.8395, 10.1819, 12.0915



11.5704, 11.8491, 9.1230



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.



20.7872, 18.7868, 4.7213



34.9875, 29.5668, 4.6884



27.0483, 33.0755, 7.1493



7.3864, 7.7111, 7.4792



14.6931, 11.9601, 1.5341



0.3548, 0.3435, 0.0476

Inverse Universe

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



11.5683, 11.2847, 35.7505



17.4021, 15.3267, 64.0973



8.5686, 4.8931, 34.6749



6.9459, 7.3507, 8.9558



6.9821, 5.7435, 27.6704



0.1935, 0.2143, 0.5970

Previews

White Background



This preview shows how the XYZ color 20.7868, 18.7858, 4.7209 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



This preview shows how the XYZ color 20.7868, 18.7858, 4.7209 looks on a 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 20.7868, 18.7858, 4.7209

Background



This preview shows how black text looks on a background with the XYZ color 20.7868, 18.7858, 4.7209.



This preview shows how white text looks on a background with the XYZ color 20.7868, 18.7858,

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

20.7868, 18.7858, 4.7209

Protanopia

17.1425, 18.9325, 5.2335

Deuteranopia

19.1628, 18.7671, 4.6199



Tritanopia

23.2917, 18.7355, 17.1406

Trichromacy



Original Color

20.7868, 18.7858, 4.7209

Protanomaly

18.3175, 18.8337, 5.0527

Deuteranomaly

19.7120, 18.7170, 4.6716

Tritanomaly

22.2083, 18.7584, 11.0445

Monochromacy



Original Color

20.7868, 18.7858, 4.7209

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.5356, 17.7594, 12.1765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7868, 18.7858, 4.7209 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(162, 109, 42)` looks like.

```
.text, #text, p{  
    color:rgb(162, 109, 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(162, 109, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 109, 42) }
```

Border

The CSS property to change the border of an element to XYZ 20.7868, 18.7858, 4.7209 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(162, 109, 42) }
```


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

```
.border{ border-color:rgb(162, 109, 42) }
```

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

Here you see how a box with a 4 pixel rgb(162, 109, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 109, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 109, 42);  
box-shadow:4px 4px 4px 4px rgb(162, 109,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7868, 18.7858, 4.7209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 109, 42) }
```

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

```
.background{ background-color: rgb(162,  
109, 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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