

Converting Colors

XYZ(20.7410, 17.1084, 2.4848)

Have a look what the booklet for
XYZ(20.7410, 17.1084, 2.4848)
contains.

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Color

**XYZ(20.7847, 17.1923,
2.5101)**

Conversions

Conversions Part 1

Format	Color
Hex	A9620A
RGB	169, 98, 10
RGB Percent	66%, 38%, 4%
CMY	0.3373, 0.6157, 0.9608
CMYK	0.00, 0.42, 0.94, 0.34
HSL	33°, 89%, 35%
HSV	33°, 94%, 66%
XYZ	20.7847, 17.1923, 2.5101
YIQ	109.1970, 70.5640, -12.3160

Conversions

Conversions Part 2

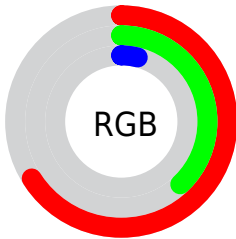
Format	Color
RYB	138, 169, 10
Decimal	11100682
CIELab	48.50, 23.21, 54.29
CIELCh	49, 59.042, 66.850
Yxy	17.1923, 0.5134, 0.4246
Android (android.graphics.Color)	4289290762 (0xFFA9620A)
YUV	109.1970, -48.9041, 52.4472
Hunter-Lab	41.4636, 16.9164, 25.4353

Details

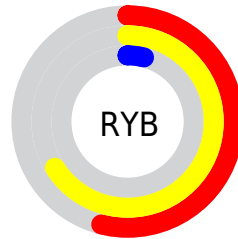
The XYZ color **20.7847, 17.1923, 2.5101** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.2290, 8.8138, 38.6981**, and the grayscale version is **14.7130, 15.4792, 16.8569**.

A 20% lighter version of the original color is **44.0737, 38.5582, 10.4297**, and **7.7394, 5.7472, 0.7014** is the 20% darker color. If you saturate the color by 10%, you get **20.3239, 16.3585, 2.0863**, and if you desaturate by 10%, it is **21.6667, 18.7295, 3.5043**.

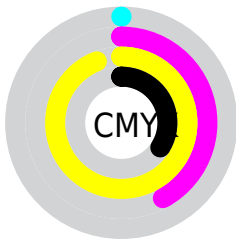
Distribution



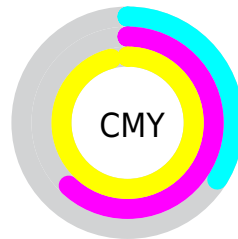
- Red (66%)
- Green (38%)
- Blue (4%)



- Red (54%)
- Yellow (66%)
- Blue (4%)



- Cyan (0%)
- Magenta (42%)
- Yellow (94%)
- Black (34%)



- Cyan (34%)
- Magenta (62%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7847, 17.1923, 2.5101 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 20.7847, 17.1923, 2.5101 by changing the saturation by 10% instead.

■ 20.7847, 17.1923,
2.5101

■ 20.7847, 17.1923,
2.5101

248.8855,
236.2781, 129.8532

■ 13.0783, 10.3717,
0.8455

■ 44.2229, 38.6561,
10.3936

■ 7.5598, 5.6461,
0.0000

■ 60.6854, 54.0681,
17.4543

■ 3.8640, 2.6311,
0.0000

■ 80.7973, 73.1127,
27.1525

■ 1.6255, 0.9423,
0.0000

■ 104.9240, 96.1742,
39.9066

■ 0.4089, 0.0000,
0.0000

■ 133.4308,
123.6372, 56.1351

■ 0.0000, 0.0000,
0.0000

■ 166.6831,

155.8859, 76.2567

205.0462,
193.3047, 100.6899

20.7847, 17.1923,
2.5101

20.7847, 17.1923,
2.5101

20.3239, 16.3585,
2.0863

21.6667, 18.7295,
3.5043

22.7291, 20.4474,
5.1124

23.9906, 22.3570,
7.4241

25.4670, 24.4673,
10.5139

27.1722, 26.7862,
14.4468

■ 29.1185, 29.3213,
19.2807

■ 31.3174, 32.0795,
25.0685

■ 33.7795, 35.0673,
31.8589

■ 36.5147, 38.2909,
39.6972

Harmonies

Analogous

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



26.1672, 17.1923, 5.9276



20.7847, 17.1923, 2.5101



15.1302, 17.1923, 1.9795

Triad

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



20.7847, 17.1923, 2.5101



8.0307, 17.1923, 22.5057



23.4132, 17.1923, 54.1488

Complementary

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



20.7847, 17.1923, 2.5101



10.2290, 8.8138, 38.6981

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.



17.6142, 17.1923, 66.6674



20.7847, 17.1923, 2.5101



9.3456, 17.1923, 42.8980

Square

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



20.7847, 17.1923, 2.5101



8.5159, 17.1923, 9.2744



12.5802, 17.1923, 61.6943



27.9039, 17.1923, 33.0574

Rectangle

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



20.7847, 17.1923, 2.5101



12.0753, 17.1923, 2.7294



12.5802, 17.1923, 61.6943



21.5083, 17.1923, 59.9096

Sweetspot

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



20.7851, 17.1932, 2.5104



54.2901, 55.2191, 40.0978



17.9767, 9.2546, 8.7324



11.4834, 11.5946, 7.8269



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.7851, 17.1932, 2.5104



36.1872, 28.8735, 3.6659



28.9507, 35.9800, 5.7062



7.8624, 8.2048, 7.9586



15.2014, 12.3000, 1.5729



0.4197, 0.3990, 0.0549

Inverse Universe

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



10.2290, 8.8138, 38.6981



17.1861, 13.8510, 68.9928



7.5186, 3.2099, 37.7593



7.3972, 7.8314, 9.5401



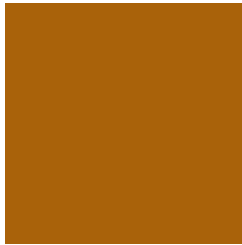
7.2880, 6.0361, 28.7565



0.2287, 0.2497, 0.7168

Previews

White Background



This preview shows how the XYZ color 20.7847, 17.1923, 2.5101 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 20.7847, 17.1923, 2.5101 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 20.7847, 17.1923, 2.5101

Background



This preview shows how black text looks on a background with the XYZ color 20.7847, 17.1923, 2.5101.



This preview shows how white text looks on a background with the XYZ color 20.7847, 17.1923,

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

20.7847, 17.1923, 2.5101

Protanopia

15.5525, 17.2771, 3.0454

Deuteranopia

17.4300, 17.2629, 2.4134



Tritanopia

22.9589, 17.1347, 13.6525

Trichromacy



Original Color

20.7847, 17.1923, 2.5101

Protanomaly

17.0495, 16.8983, 2.7786

Deuteranomaly

18.5024, 17.1869, 2.4571

Tritanomaly

21.7807, 17.0567, 7.2986

Monochromacy



Original Color

20.7847, 17.1923, 2.5101

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.6142, 15.4095, 8.4547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7847, 17.1923, 2.5101 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(169, 98, 10)` looks like.

```
.text, #text, p{  
    color:rgb(169, 98, 10)  
}
```

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(169, 98, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 98, 10) }
```

Border

The CSS property to change the border of an element to XYZ 20.7847, 17.1923, 2.5101 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(169, 98, 10) }
```


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

```
.border{ border-color:rgb(169, 98, 10) }
```

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

Here you see how a box with a 4 pixel rgb(169, 98, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 98, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 98, 10);  
box-shadow:4px 4px 4px 4px rgb(169, 98,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7847, 17.1923, 2.5101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 98, 10) }
```

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

```
.background{ background-color: rgb(169, 98,  
10) }
```

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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