

Converting Colors

XYZ(20.8906, 19.4812, 3.3491)

Have a look what the booklet for
XYZ(20.8906, 19.4812, 3.3491)
contains.

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Color

**XYZ(20.9408, 19.5458,
3.3785)**

Conversions

Conversions Part 1

Format	Color
Hex	A27115
RGB	162, 113, 21
RGB Percent	64%, 44%, 8%
CMY	0.3647, 0.5568, 0.9176
CMYK	0.00, 0.30, 0.87, 0.36
HSL	39°, 77%, 36%
HSV	39°, 87%, 64%
XYZ	20.9408, 19.5458, 3.3785
YIQ	117.1630, 58.7360, -18.2240

Conversions

Conversions Part 2

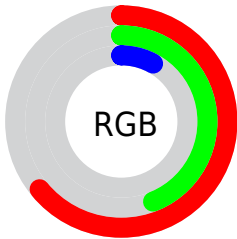
Format	Color
RYB	96, 162, 21
Decimal	10645781
CIELab	51.32, 11.82, 53.22
CIELCh	51, 54.517, 77.483
Yxy	19.5458, 0.4774, 0.4456
Android (android.graphics.Color)	4288835861 (0xFFA27115)
YUV	117.1630, -47.4084, 39.3220
Hunter-Lab	44.2106, 7.1797, 26.4166

Details

The XYZ color **20.9408, 19.5458, 3.3785** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.0210, 7.1483, 35.0865**, and the grayscale version is **17.0895, 17.9794, 19.5796**.

A 20% lighter version of the original color is **44.5439, 42.7904, 12.5683**, and **7.8342, 6.8448, 0.9083** is the 20% darker color. If you saturate the color by 10%, you get **20.2234, 18.2857, 2.6016**, and if you desaturate by 10%, it is **21.7907, 20.9229, 4.6572**.

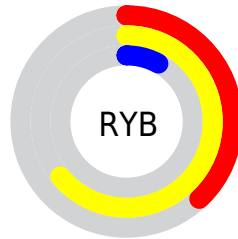
Distribution



Red (64%)

Green (44%)

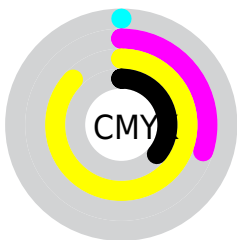
Blue (8%)



Red (38%)

Yellow (64%)

Blue (8%)

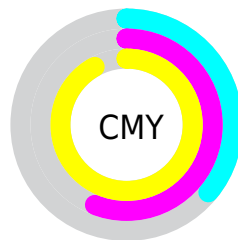


Cyan (0%)

Magenta (30%)

Yellow (87%)

Black (36%)



Cyan (36%)

Magenta (56%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9408, 19.5458, 3.3785 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 20.9408, 19.5458, 3.3785 by changing the saturation by 10% instead.

■ 20.9408, 19.5458,
3.3785

■ 20.9408, 19.5458,
3.3785

249.7014,
249.4455, 141.0443

■ 13.1930, 12.0653,
1.2910

■ 44.4810, 42.6544,
12.5489

■ 7.6395, 6.7882,
0.0544

■ 61.0041, 59.0512,
20.4690

■ 3.9150, 3.3300,
0.0000

■ 81.1829, 79.1890,
31.1702

■ 1.6541, 1.3063,
0.0000

■ 105.3829,
103.4521, 45.0713

■ 0.4273, 0.1461,
0.0000

■ 133.9694,
132.2249, 62.5907

■ 0.0000, 0.0000,
0.0000

■ 167.3077,

165.8918, 84.1470

205.7633,
204.8372, 110.1587

20.9408, 19.5458,
3.3785

20.9408, 19.5458,
3.3785

20.2234, 18.2857,
2.6016

21.7907, 20.9229,
4.6572

20.0240, 17.9289,
2.4052

22.7928, 22.4235,
6.5440

23.9616, 24.0553,
9.1093

25.3090, 25.8241,
12.4134

26.8459, 27.7352,
16.5100

■ 28.5820, 29.7936,
21.4475

■ 30.5265, 32.0038,
27.2708

■ 32.6876, 34.3701,
34.0211

■ 35.0734, 36.8967,
41.7375

Harmonies

Analogous

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



26.5907, 19.5458, 5.9476



20.9408, 19.5458, 3.3785



15.6062, 19.5458, 3.5795

Triad

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



20.9408, 19.5458, 3.3785



10.2731, 19.5458, 31.6222



27.4138, 19.5458, 48.6625

Complementary

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



20.9408, 19.5458, 3.3785



9.0210, 7.1483, 35.0865

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.



21.9043, 19.5458, 64.6133



20.9408, 19.5458, 3.3785



12.3617, 19.5458, 51.9213

Square

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



20.9408, 19.5458, 3.3785



10.1157, 19.5458, 15.4217



16.3994, 19.5458, 66.0335



30.7895, 19.5458, 28.4657

Rectangle

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



20.9408, 19.5458, 3.3785



12.9065, 19.5458, 5.2528



16.3994, 19.5458, 66.0335



25.7059, 19.5458, 55.0507

Sweetspot

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



20.9412, 19.5468, 3.3789



52.0698, 54.2980, 39.4651



16.2851, 8.6645, 6.6670



11.4512, 11.9112, 8.1563



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.



20.9412, 19.5468, 3.3789



36.1539, 32.1516, 4.3004



24.0147, 31.5442, 5.5326



7.4413, 7.8209, 7.4975



15.8168, 14.2075, 1.9087



0.3739, 0.3816, 0.0540

Inverse Universe

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



9.0210, 7.1483, 35.0865



14.2582, 9.5731, 63.1524



7.7509, 3.6406, 34.4764



6.8924, 7.2438, 8.9380



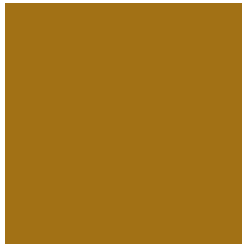
6.3003, 4.3800, 27.4432



0.1753, 0.1778, 0.5909

Previews

White Background



This preview shows how the XYZ color 20.9408, 19.5458, 3.3785 looks on a white background.

Color Contrast Check

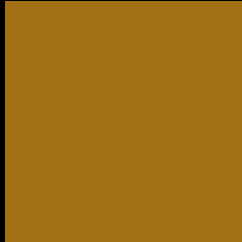
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9408, 19.5458, 3.3785 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 20.9408, 19.5458, 3.3785

Background



This preview shows how black text looks on a background with the XYZ color 20.9408, 19.5458, 3.3785.



This preview shows how white text looks on a background with the XYZ color 20.9408, 19.5458,

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

20.9408, 19.5458, 3.3785

Protanopia

17.7291, 19.6351, 3.7197

Deuteranopia

19.8805, 19.5064, 3.3334



Tritanopia

23.9686, 19.5109, 18.1255

Trichromacy



Original Color

20.9408, 19.5458, 3.3785

Protanomaly

18.7841, 19.4586, 3.5765

Deuteranomaly

20.3576, 19.5811, 3.3684

Tritanomaly

22.3276, 19.3036, 10.1386

Monochromacy



Original Color

20.9408, 19.5458, 3.3785

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4412, 18.0865, 10.5544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9408, 19.5458, 3.3785 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, 113, 21)` looks like.

```
.text, #text, p{  
    color:rgb(162, 113, 21)  
}
```

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, 113, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 113, 21) }
```

Border

The CSS property to change the border of an element to XYZ 20.9408, 19.5458, 3.3785 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, 113, 21) }
```


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

```
.border{ border-color:rgb(162, 113, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 113, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 113, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 113, 21);  
box-shadow:4px 4px 4px 4px rgb(162, 113,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9408, 19.5458, 3.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 113, 21) }
```

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

```
.background{ background-color: rgb(162,  
113, 21) }
```

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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