

Converting Colors

XYZ(20.6414, 22.4882, 3.2527)

Have a look what the booklet for
XYZ(20.6414, 22.4882, 3.2527)
contains.

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Color

**XYZ(20.5603, 22.4493,
3.2495)**

Conversions

Conversions Part 1

Format	Color
Hex	968200
RGB	150, 130, 0
RGB Percent	59%, 51%, 0%
CMY	0.4118, 0.4902, 1.0000
CMYK	0.00, 0.13, 1.00, 0.41
HSL	52°, 100%, 29%
HSV	52°, 100%, 59%
XYZ	20.5603, 22.4493, 3.2495
YIQ	121.1600, 53.6500, -36.1900

Conversions

Conversions Part 2

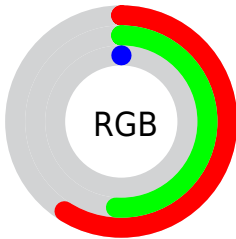
Format	Color
R_{YB}	23, 150, 0
Decimal	9863680
CIE Lab	54.50, -3.73, 59.52
CIE LCh	55, 59.633, 93.591
Yxy	22.4493, 0.4445, 0.4853
Android (android.graphics.Color)	4288053760 (0xFF968200)
YUV	121.1600, -59.7319, 25.2927
Hunter-Lab	47.3807, -5.4582, 29.1002

Details

The XYZ color **20.5603, 22.4493, 3.2495** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.7553, 2.7025, 29.0722**, and the grayscale version is **18.4017, 19.3601, 21.0831**.

A 20% lighter version of the original color is **43.9590, 47.6821, 12.1969**, and **7.6617, 8.3178, 1.2017** is the 20% darker color. If you saturate the color by 10%, you get **20.5606, 22.4500, 3.2496**, and if you desaturate by 10%, it is **20.9156, 23.0221, 3.7936**.

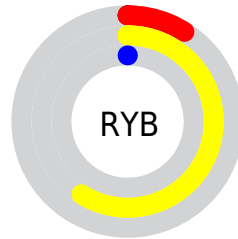
Distribution



Red (59%)

Green (51%)

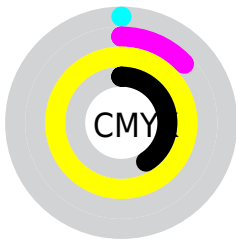
Blue (0%)



Red (9%)

Yellow (59%)

Blue (0%)

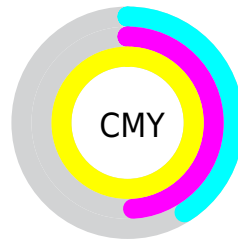


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5603, 22.4493, 3.2495 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 20.5603, 22.4493, 3.2495 by changing the saturation by 10% instead.

■ 20.5603, 22.4493,
3.2495

■ 20.5603, 22.4493,
3.2495

247.7086,
264.8837, 139.4776

■ 12.9136, 14.1874,
1.2234

■ 43.8514, 47.4875,
12.2381

■ 7.4457, 8.2511,
0.0000

■ 60.2265, 65.0326,
20.0377

■ 3.7911, 4.2561,
0.0000

■ 80.2418, 86.4408,
30.5989

■ 1.5847, 1.8178,
0.0000

■ 104.2627,
112.0967, 44.3402

■ 0.3824, 0.4982,
0.0000

■ 132.6544,
142.3845, 61.6802

■ 0.0000, 0.0000,
0.0000

■ 165.7824,

177.6887, 83.0374

204.0120,
218.3936, 108.8303

20.5603, 22.4493,
3.2495

20.5603, 22.4493,
3.2495

20.5606, 22.4500,
3.2496

20.9156, 23.0221,
3.7936

21.3376, 23.6289,
4.6651

21.8560, 24.2827,
6.0186

22.4823, 24.9881,
7.9144

23.2263, 25.7490,
10.4041

■ 24.0967, 26.5689,
13.5331

■ 25.1013, 27.4511,
17.3425

■ 26.2473, 28.3984,
21.8701

■ 27.5414, 29.4136,
27.1506

Harmonies

Analogous

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



27.4264, 22.4493, 4.3066



20.5603, 22.4493, 3.2495



15.1148, 22.4493, 5.0542

Triad

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



20.5603, 22.4493, 3.2495



12.4908, 22.4493, 50.2382



34.6813, 22.4493, 44.1902

Complementary

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



20.5603, 22.4493, 3.2495



5.7553, 2.7025, 29.0722

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.



29.0690, 22.4493, 68.3267



20.5603, 22.4493, 3.2495



16.2237, 22.4493, 72.8959

Square

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



20.5603, 22.4493, 3.2495



11.0955, 22.4493, 26.7665



22.1338, 22.4493, 80.7976



36.4900, 22.4493, 22.2589

Rectangle

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



20.5603, 22.4493, 3.2495



12.7404, 22.4493, 8.7046



22.1338, 22.4493, 80.7976



33.1276, 22.4493, 52.6181

Sweetspot

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



20.5608, 22.4504, 3.2499



44.1859, 48.3494, 30.1696



12.7040, 6.5347, 1.2539



9.6379, 10.5815, 6.0942



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.5608, 22.4504, 3.2499



36.1929, 39.4351, 5.7042



15.6259, 24.2456, 3.8565



6.2002, 6.6142, 6.1903



17.0694, 18.6532, 2.7008



0.2236, 0.2577, 0.0380

Inverse Universe

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



5.7553, 2.7025, 29.0722



10.0809, 4.6176, 51.2812



7.0809, 3.0146, 29.0626



5.5582, 5.7503, 7.2867



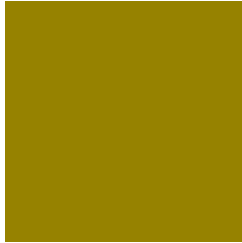
4.7879, 2.2706, 24.1169



0.0706, 0.0519, 0.2992

Previews

White Background



This preview shows how the XYZ color 20.5603, 22.4493, 3.2495 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 20.5603, 22.4493, 3.2495 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 20.5603, 22.4493, 3.2495

Background



This preview shows how black text looks on a background with the XYZ color 20.5603, 22.4493, 3.2495.

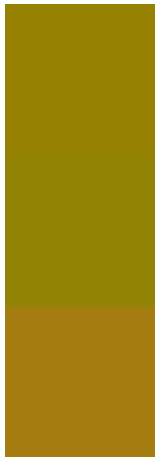


This preview shows how white text looks on a background with the XYZ color 20.5603, 22.4493,

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

20.5603, 22.4493, 3.2495

Protanopia

20.1708, 22.4444, 3.3840

Deuteranopia

22.8109, 22.4491, 3.5828



Tritanopia

24.7713, 22.4545, 24.1477

Trichromacy



Original Color

20.5603, 22.4493, 3.2495

Protanomaly

20.3455, 22.5351, 3.3635

Deuteranomaly

22.0128, 22.4172, 3.4539

Tritanomaly

22.0954, 21.9099, 11.2481

Monochromacy



Original Color

20.5603, 22.4493, 3.2495

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0629, 19.8567, 9.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5603, 22.4493, 3.2495 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(150, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 130, 0)  
}
```

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(150, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.5603, 22.4493, 3.2495 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(150, 130, 0) }
```


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

```
.border{ border-color:rgb(150, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 130,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5603, 22.4493, 3.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 130, 0) }
```

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

```
.background{ background-color: rgb(150,  
130, 0) }
```

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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