

Converting Colors

XYZ(20.9701, 23.2032, 3.3734)

Have a look what the booklet for
XYZ(20.9701, 23.2032, 3.3734)
contains.

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Color

**XYZ(20.9652, 23.2591,
3.3845)**

Conversions

Conversions Part 1

Format	Color
Hex	968500
RGB	150, 133, 0
RGB Percent	59%, 52%, 0%
CMY	0.4118, 0.4784, 1.0000
CMYK	0.00, 0.11, 1.00, 0.41
HSL	53°, 100%, 29%
HSV	53°, 100%, 59%
XYZ	20.9652, 23.2591, 3.3845
YIQ	122.9210, 52.8250, -37.7590

Conversions

Conversions Part 2

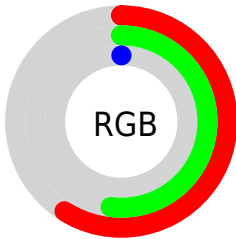
Format	Color
R_{YB}	19, 150, 0
Decimal	9864448
CIE Lab	55.34, -5.39, 60.11
CIE LCh	55, 60.354, 95.122
Yxy	23.2591, 0.4404, 0.4885
Android (android.graphics.Color)	4288054528 (0xFF968500)
YUV	122.9210, -60.6001, 23.7483
Hunter-Lab	48.2277, -6.8022, 29.5986

Details

The XYZ color **20.9652, 23.2591, 3.3845** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.7056, 2.6031, 29.0556**, and the grayscale version is **18.9830, 19.9716, 21.7491**.

A 20% lighter version of the original color is **44.6147, 48.9451, 12.5647**, and **7.8896, 8.7735, 1.2776** is the 20% darker color. If you saturate the color by 10%, you get **20.9655, 23.2599, 3.3846**, and if you desaturate by 10%, it is **21.2866, 23.7639, 3.9173**.

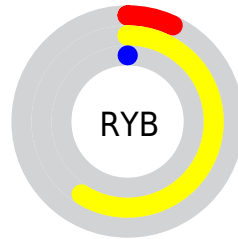
Distribution



Red (59%)

Green (52%)

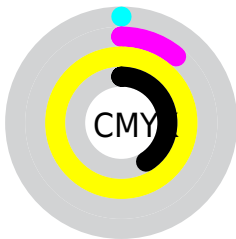
Blue (0%)



Red (7%)

Yellow (59%)

Blue (0%)

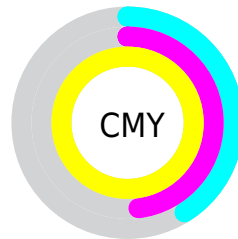


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9652, 23.2591, 3.3845 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 20.9652, 23.2591, 3.3845 by changing the saturation by 10% instead.

■ 20.9652, 23.2591,
3.3845

■ 20.9652, 23.2591,
3.3845

249.8287,
269.0530, 141.1165

■ 13.2109, 14.7849,
1.2942

■ 44.5213, 48.8184,
12.5633

■ 7.6519, 8.6686,
0.0570

■ 61.0538, 66.6724,
20.4889

■ 3.9230, 4.5257,
0.0000

■ 81.2431, 88.4217,
31.1966

■ 1.6586, 1.9717,
0.0000

■ 105.4546,
114.4508, 45.1050


■ 0.4302, 0.5910,
0.0000


■ 134.0535,
145.1441, 62.6327


■ 0.0000, 0.0000,
0.0000


■ 167.4052,


180.8860, 84.1981


 205.8752,
222.0608, 110.2199


 20.9652, 23.2591,
3.3845

 20.9652, 23.2591,
3.3845


 20.9655, 23.2599,
3.3846

 21.2866, 23.7639,
3.9173

 21.6731, 24.3000,
4.7771

 22.1547, 24.8801,
6.1183

 22.7427, 25.5089,
8.0014

 23.4470, 26.1904,
10.4779

■ 24.2763, 26.9280,
13.5933

■ 25.2382, 27.7248,
17.3886

■ 26.3401, 28.5839,
21.9015

■ 27.5886, 29.5078,
27.1669

Harmonies

Analogous

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



28.0480, 23.2591, 4.3257



20.9652, 23.2591, 3.3845



15.4318, 23.2591, 5.4333

Triad

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



20.9652, 23.2591, 3.3845



13.0777, 23.2591, 53.3982



36.1441, 23.2591, 44.4691

Complementary

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



20.9652, 23.2591, 3.3845



5.7056, 2.6031, 29.0556

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.



30.4737, 23.2591, 69.6940



20.9652, 23.2591, 3.3845



17.0706, 23.2591, 76.4363

Square

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



20.9652, 23.2591, 3.3845



11.5112, 23.2591, 28.8014



23.2897, 23.2591, 83.5611



37.7723, 23.2591, 22.1406

Rectangle

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



20.9652, 23.2591, 3.3845



13.0553, 23.2591, 9.4292



23.2897, 23.2591, 83.5611



34.5980, 23.2591, 53.1848

Sweetspot

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



20.9657, 23.2602, 3.3850



44.4320, 48.8416, 30.2516



12.6829, 6.5263, 1.1427



9.6988, 10.7033, 6.1145



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.



20.9657, 23.2602, 3.3850



36.9191, 40.8874, 5.9462



15.3704, 24.1138, 3.8446



6.2099, 6.6336, 6.1936



17.4032, 19.3207, 2.8120



0.2258, 0.2622, 0.0387

Inverse Universe

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



5.7056, 2.6031, 29.0556



10.0013, 4.4583, 51.2547



7.2214, 3.0870, 29.0691



5.5493, 5.7326, 7.2838



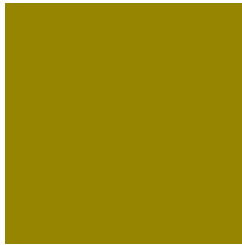
4.7452, 2.1852, 24.1027



0.0684, 0.0474, 0.2985

Previews

White Background



This preview shows how the XYZ color 20.9652, 23.2591, 3.3845 looks on a white background.

Color Contrast Check

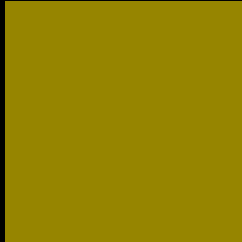
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9652, 23.2591, 3.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

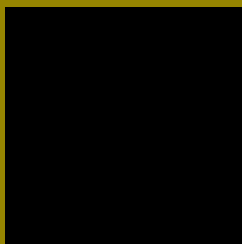
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9652, 23.2591, 3.3845

Background



This preview shows how black text looks on a background with the XYZ color 20.9652, 23.2591, 3.3845.



This preview shows how white text looks on a background with the XYZ color 20.9652, 23.2591,

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

20.9652, 23.2591, 3.3845

Protanopia

20.9707, 23.2613, 3.4133

Deuteranopia

23.7105, 23.2870, 3.7755



Tritanopia

25.5418, 23.3779, 25.3565

Trichromacy



Original Color

20.9652, 23.2591, 3.3845

Protanomaly

20.9707, 23.2613, 3.4133

Deuteranomaly

22.6086, 23.3017, 3.6227

Tritanomaly

22.7466, 22.8032, 11.7969

Monochromacy



Original Color

20.9652, 23.2591, 3.3845

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6374, 20.7153, 10.2239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9652, 23.2591, 3.3845 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, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 133, 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, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.9652, 23.2591, 3.3845 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, 133, 0) }
```


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

```
.border{ border-color:rgb(150, 133, 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, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 133,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9652, 23.2591, 3.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 133, 0) }
```

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

```
.background{ background-color: rgb(150,  
133, 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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