

Converting Colors

XYZ(20.6892, 22.5857, 3.5470)

Have a look what the booklet for
XYZ(20.6892, 22.5857, 3.5470)
contains.

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Color

**XYZ(20.6151, 22.4712,
3.5380)**

Conversions

Conversions Part 1

Format	Color
Hex	96820A
RGB	150, 130, 10
RGB Percent	59%, 51%, 4%
CMY	0.4118, 0.4902, 0.9607
CMYK	0.00, 0.13, 0.93, 0.41
HSL	51°, 87%, 31%
HSV	51°, 93%, 59%
XYZ	20.6151, 22.4712, 3.5380
YIQ	122.3000, 50.4400, -33.0800

Conversions

Conversions Part 2

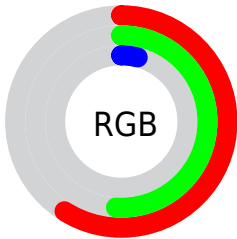
Format	Color
R_{YB}	33, 150, 10
Decimal	9863690
CIE Lab	54.52, -3.57, 57.77
CIE LCh	55, 57.881, 93.533
Yxy	22.4712, 0.4422, 0.4820
Android (android.graphics.Color)	4288053770 (0xFF96820A)
YUV	122.3000, -55.3639, 24.2929
Hunter-Lab	47.4038, -5.3301, 28.7575

Details

The XYZ color **20.6151, 22.4712, 3.5380** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.0947, 3.1954, 29.1495**, and the grayscale version is **18.7617, 19.7388, 21.4955**.

A 20% lighter version of the original color is **44.1156, 47.7447, 13.0214**, and **7.6617, 8.3178, 1.2017** is the 20% darker color. If you saturate the color by 10%, you get **20.3719, 22.0726, 3.1867**, and if you desaturate by 10%, it is **21.0243, 23.0965, 4.2702**.

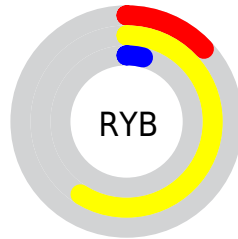
Distribution



Red (59%)

Green (51%)

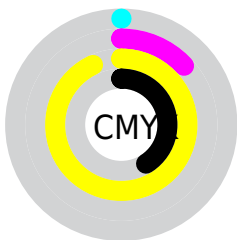
Blue (4%)



Red (13%)

Yellow (59%)

Blue (4%)

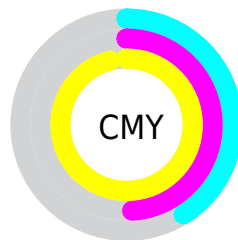


Cyan (0%)

Magenta (13%)

Yellow (93%)

Black (41%)



Cyan (41%)

Magenta (49%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6151, 22.4712, 3.5380 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 20.6151, 22.4712, 3.5380 by changing the saturation by 10% instead.

■ 20.6151, 22.4712,
3.5380

■ 20.6151, 22.4712,
3.5380

247.9964,
264.9972, 142.9428

■ 12.9538, 14.2035,
1.3755

■ 43.9422, 47.5236,
12.9294

■ 7.4735, 8.2624,
0.1225

■ 60.3387, 65.0771,
20.9954

■ 3.8089, 4.2633,
0.0000

■ 80.3776, 86.4946,
31.8662

■ 1.5946, 1.8219,
0.0000

■ 104.4244,
112.1606, 45.9605

■ 0.3889, 0.5008,
0.0000

■ 132.8443,
142.4595, 63.6968

■ 0.0000, 0.0000,
0.0000

■ 166.0027,

177.7756, 85.4936

■ 204.2649,
218.4934, 111.7694

■ 20.6151, 22.4712,
3.5380

■ 20.6151, 22.4712,
3.5380

■ 20.3719, 22.0726,
3.1867

■ 21.0243, 23.0965,
4.2702

■ 21.5259, 23.7675,
5.4613

■ 22.1325, 24.4901,
7.1761

■ 22.8544, 25.2684,
9.4686

■ 23.7008, 26.1063,
12.3860

■ 24.6796, 27.0069,
15.9709

■ 25.7983, 27.9733,
20.2620

■ 27.0636, 29.0082,
25.2949

■ 28.4819, 30.1143,
31.1030

Harmonies

Analogous

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



27.2702, 22.4712, 4.6239



20.6151, 22.4712, 3.5380



15.3025, 22.4712, 5.3699

Triad

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



20.6151, 22.4712, 3.5380



12.7170, 22.4712, 49.2905



34.2475, 22.4712, 43.5774

Complementary

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



20.6151, 22.4712, 3.5380



6.0947, 3.1954, 29.1495

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.



28.8318, 22.4712, 66.6791



20.6151, 22.4712, 3.5380



16.3691, 22.4712, 70.9693

Square

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



20.6151, 22.4712, 3.5380



11.3485, 22.4712, 26.6845



22.1189, 22.4712, 78.5365



35.9964, 22.4712, 22.3765

Rectangle

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



20.6151, 22.4712, 3.5380



12.9723, 22.4712, 9.0213



22.1189, 22.4712, 78.5365



32.7490, 22.4712, 51.6649

Sweetspot

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



20.6156, 22.4723, 3.5384



44.4656, 48.4612, 31.6423



12.9337, 6.8002, 1.9277



9.6872, 10.5935, 6.3778



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.



20.6156, 22.4723, 3.5384



35.8547, 38.7585, 5.5914



16.3283, 24.6013, 4.1754



6.1956, 6.6049, 6.1888



16.9138, 18.3421, 2.6489



0.2226, 0.2556, 0.0376

Inverse Universe

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



6.0947, 3.1954, 29.1495



10.1229, 4.7015, 51.2952



7.4176, 3.3493, 29.1095



5.5624, 5.7587, 7.2881



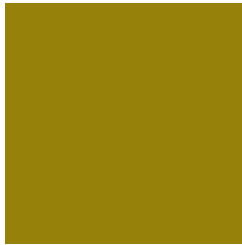
4.8101, 2.3150, 24.1244



0.0717, 0.0540, 0.2995

Previews

White Background



This preview shows how the XYZ color 20.6151, 22.4712, 3.5380 looks on a white background.

Color Contrast Check

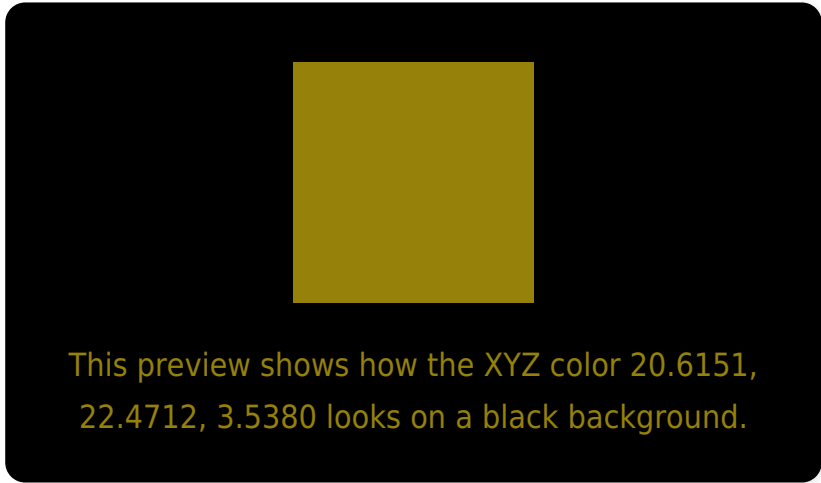
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

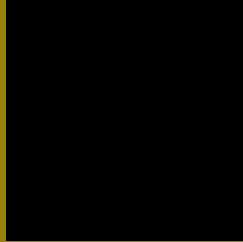
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6151, 22.4712, 3.5380

Background



This preview shows how black text looks on a background with the XYZ color 20.6151, 22.4712, 3.5380.

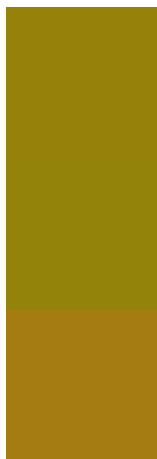


This preview shows how white text looks on a background with the XYZ color 20.6151, 22.4712,

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

20.6151, 22.4712, 3.5380

Protanopia

20.2093, 22.4598, 3.5866

Deuteranopia

22.8339, 22.4583, 3.7037



Tritanopia

24.7713, 22.4545, 24.1477

Trichromacy



Original Color

20.6151, 22.4712, 3.5380

Protanomaly

20.3894, 22.5527, 3.5951

Deuteranomaly

22.0443, 22.4298, 3.6195

Tritanomaly

22.2138, 21.9572, 11.8715

Monochromacy



Original Color

20.6151, 22.4712, 3.5380

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.3345, 20.1668, 10.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6151, 22.4712, 3.5380 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(150, 130, 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(150, 130, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 130, 10) }
```

Border

The CSS property to change the border of an element to XYZ 20.6151, 22.4712, 3.5380 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, 10) }
```


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

```
.border{ border-color:rgb(150, 130, 10) }
```

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, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 130, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 130, 10);  
box-shadow:4px 4px 4px 4px rgb(150, 130,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6151, 22.4712, 3.5380 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, 10) }
```

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

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