

Converting Colors

XYZ(22.4808, 23.9739, 6.4602)

Have a look what the booklet for
XYZ(22.4808, 23.9739, 6.4602)
contains.

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Color

**XYZ(22.4808, 23.9739,
6.4602)**

Conversions

Conversions Part 1

Format	Color
Hex	9B8532
RGB	155, 133, 50
RGB Percent	61%, 52%, 20%
CMY	0.3922, 0.4784, 0.8039
CMYK	0.00, 0.14, 0.68, 0.39
HSL	47°, 51%, 40%
HSV	47°, 68%, 61%
XYZ	22.4808, 23.9739, 6.4602
YIQ	130.1160, 39.7550, -21.1490

Conversions

Conversions Part 2

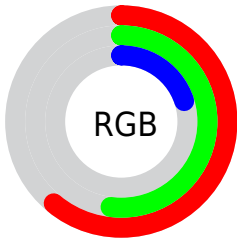
Format	Color
R_{YB}	78, 155, 50
Decimal	10192178
CIE _{Lab}	56.06, -1.40, 46.24
CIE _{LCh}	56, 46.260, 91.728
Yxy	23.9739, 0.4248, 0.4531
Android (android.graphics.Color)	4288382258 (0xFF9B8532)
YUV	130.1160, -39.4972, 21.8233
Hunter-Lab	48.9631, -3.7295, 26.4515

Details

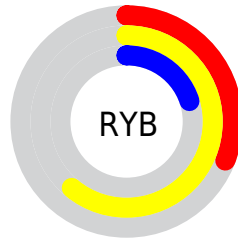
The XYZ color **22.4808, 23.9739, 6.4602** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.5491, 7.6792, 31.9890**, and the grayscale version is **21.3853, 22.4990, 24.5014**.

A 20% lighter version of the original color is **47.0592, 50.0544, 19.4931**, and **8.4259, 9.0500, 1.3027** is the 20% darker color. If you saturate the color by 10%, you get **21.7639, 22.9877, 4.8417**, and if you desaturate by 10%, it is **23.3258, 25.0352, 8.6806**.

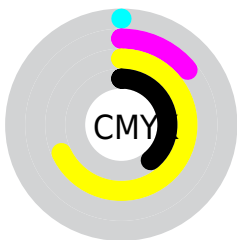
Distribution



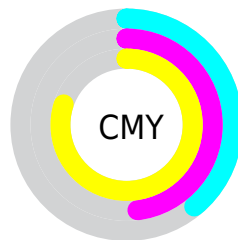
- Red (61%)
- Green (52%)
- Blue (20%)



- Red (31%)
- Yellow (61%)
- Blue (20%)



- Cyan (0%)
- Magenta (14%)
- Yellow (68%)
- Black (39%)



- Cyan (39%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4808, 23.9739, 6.4602 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 22.4808, 23.9739, 6.4602 by changing the saturation by 10% instead.

■ 22.4808, 23.9739,
6.4602

■ 22.4808, 23.9739,
6.4602

257.6324,
272.6885, 172.5569

■ 14.3292, 15.3143,
3.0536

■ 47.0123, 49.9876,
19.3728

■ 8.4332, 9.0402,
1.1221

■ 64.1230, 68.1105,
29.7158

■ 4.4275, 4.7674,
0.0000

■ 84.9507, 90.1565,
43.2081

■ 1.9467, 2.1115,
0.0000

■ 109.8608,
116.5102, 60.2682

■ 0.6038, 0.6711,
0.0000

■ 139.2186,
147.5558, 81.3145

■ 0.0000, 0.0000,
0.0000

■ 173.3896,

183.6778, 106.7658

212.7391,
225.2606, 137.0404

■ 22.4808, 23.9739,
6.4602

■ 22.4808, 23.9739,
6.4602

■ 21.7639, 22.9877,
4.8417

■ 23.3258, 25.0352,
8.6806

■ 21.1613, 22.0681,
3.7605

■ 24.3077, 26.1725,
11.5557

■ 20.6523, 21.2075,
3.1056

■ 25.4363, 27.3908,
15.1344

■ 20.5422, 21.0180,
2.9742

■ 26.7199, 28.6938,
19.4601

■ 28.1664, 30.0846,
24.5732

■ 29.7829, 31.5664,
30.5108

■ 31.5761, 33.1420,
37.3077

■ 33.5524, 34.8141,
44.9970

■ 35.7178, 36.5853,
53.6096

Harmonies

Analogous

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



27.9569, 23.9739, 7.9245



22.4808, 23.9739, 6.4602



17.8408, 23.9739, 8.3284

Triad

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



22.4808, 23.9739, 6.4602



15.1777, 23.9739, 44.6354



32.9804, 23.9739, 42.4927

Complementary

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



22.4808, 23.9739, 6.4602



9.5491, 7.6792, 31.9890

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.



28.5708, 23.9739, 59.5861



22.4808, 23.9739, 6.4602



18.2964, 23.9739, 61.1236

Square

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



22.4808, 23.9739, 6.4602



14.0499, 23.9739, 26.9928



23.0949, 23.9739, 67.4393



34.5528, 23.9739, 25.2340

Rectangle

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



22.4808, 23.9739, 6.4602



15.6918, 23.9739, 11.8885



23.0949, 23.9739, 67.4393



31.7503, 23.9739, 48.6484

Sweetspot

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



22.4814, 23.9750, 6.4607



49.7278, 53.2031, 41.4405



15.8526, 9.7277, 7.3024



11.1003, 11.8937, 8.8285



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.4814, 23.9750, 6.4607



38.4306, 40.3572, 7.6213



20.7911, 28.0517, 7.3366



6.5990, 7.0031, 6.6098



16.5276, 16.9377, 2.3982



0.2717, 0.3025, 0.0441

Inverse Universe

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



9.5491, 7.6792, 31.9890



13.7523, 9.3498, 56.6162



10.3444, 6.3427, 31.6891



5.9842, 6.2257, 7.8152



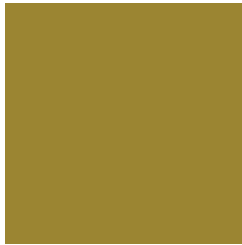
5.2008, 2.7983, 25.1737



0.1000, 0.0864, 0.3838

Previews

White Background



This preview shows how the XYZ color 22.4808, 23.9739, 6.4602 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 22.4808, 23.9739, 6.4602 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 22.4808, 23.9739, 6.4602

Background



This preview shows how black text looks on a background with the XYZ color 22.4808, 23.9739, 6.4602.



This preview shows how white text looks on a background with the XYZ color 22.4808, 23.9739,

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

22.4808, 23.9739, 6.4602

Protanopia

21.8174, 24.0423, 6.5083

Deuteranopia

24.4875, 24.0111, 6.5928



Tritanopia

26.5370, 24.0698, 25.8016

Trichromacy



Original Color

22.4808, 23.9739, 6.4602

Protanomaly

22.0497, 23.9559, 6.4794

Deuteranomaly

23.6844, 23.9908, 6.5144

Tritanomaly

24.4654, 23.7885, 16.1341

Monochromacy



Original Color

22.4808, 23.9739, 6.4602

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1127, 22.6612, 15.5732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4808, 23.9739, 6.4602 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(155, 133, 50)` looks like.

```
.text, #text, p{  
    color:rgb(155, 133, 50)  
}
```

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(155, 133, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 133, 50) }
```

Border

The CSS property to change the border of an element to XYZ 22.4808, 23.9739, 6.4602 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(155, 133, 50) }
```


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

```
.border{ border-color:rgb(155, 133, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 133, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 133, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 133, 50);  
box-shadow:4px 4px 4px 4px rgb(155, 133,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4808, 23.9739, 6.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 133, 50) }
```

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

```
.background{ background-color: rgb(155,  
133, 50) }
```

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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