

Converting Colors

XYZ(24.3783, 24.6253, 3.9907)

Have a look what the booklet for
XYZ(24.3783, 24.6253, 3.9907)
contains.

XYZ(24.3659, 24.5979, 3.9940)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3659, 24.5979,
3.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	A88311
RGB	168, 131, 17
RGB Percent	66%, 51%, 7%
CMY	0.3412, 0.4863, 0.9333
CMYK	0.00, 0.22, 0.90, 0.34
HSL	45°, 82%, 36%
HSV	45°, 90%, 66%
XYZ	24.3659, 24.5979, 3.9940
YIQ	129.0670, 58.6460, -27.6100

Conversions

Conversions Part 2

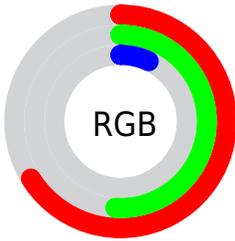
Format	Color
R_{YB}	66, 168, 17
Decimal	11043601
CIE _{Lab}	56.68, 4.35, 58.86
CIE _{LCh}	57, 59.020, 85.778
Yxy	24.5979, 0.4601, 0.4645
Android (android.graphics.Color)	4289233681 (0xFFA88311)
YUV	129.0670, -55.2490, 34.1442
Hunter-Lab	49.5963, 0.9009, 29.9428

Details

The XYZ color **24.3659, 24.5979, 3.9940** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.6184, 5.5849, 37.6692**, and the grayscale version is **21.0638, 22.1607, 24.1330**.

A 20% lighter version of the original color is **50.1235, 51.1337, 14.0655**, and **9.5728, 9.4141, 1.3126** is the 20% darker color. If you saturate the color by 10%, you get **23.7244, 23.4752, 3.2867**, and if you desaturate by 10%, it is **25.1151, 25.8008, 5.1552**.

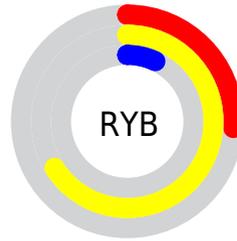
Distribution



Red (66%)

Green (51%)

Blue (7%)



Red (26%)

Yellow (66%)

Blue (7%)

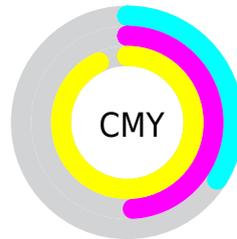


Cyan (0%)

Magenta (22%)

Yellow (90%)

Black (34%)



Cyan (34%)

Magenta (49%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3659, 24.5979, 3.9940 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 24.3659, 24.5979, 3.9940 by changing the saturation by 10% instead.

■ 24.3659, 24.5979,
3.9940

■ 24.3659, 24.5979,
3.9940

267.0714,
275.8295, 148.1587

■ 15.7315, 15.7777,
1.6221

■ 50.0770, 51.0041,
13.9959

■ 9.4240, 9.3670,
0.3065

■ 67.8843, 69.3590,
22.4630

■ 5.0781, 4.9813,
0.0000

■ 89.4801, 91.6609,
33.7988

■ 2.3284, 2.2363,
0.0000

■ 115.2295,
118.2942, 48.4220

■ 0.8091, 0.7397,
0.0000

■ 145.4980,
149.6433, 66.7510

■ 0.0000, 0.0000,
0.0000

■ 180.6509,

186.0926, 89.2044

221.0536,
228.0266, 116.2008

24.3659, 24.5979,
3.9940

24.3659, 24.5979,
3.9940

23.7244, 23.4752,
3.2867

25.1151, 25.8008,
5.1552

23.7167, 23.4616,
3.2785

26.0042, 27.0943,
6.9459

27.0492, 28.4860,
9.4472

28.2635, 29.9818,
12.7275

29.6587, 31.5866,
16.8474

■ 31.2453, 33.3051,
21.8612

■ 33.0331, 35.1414,
27.8188

■ 35.0309, 37.0996,
34.7663

■ 37.2473, 39.1834,
42.7469

Harmonies

Analogous

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



31.6261, 24.5979, 6.0960



24.3659, 24.5979, 3.9940



18.0911, 24.5979, 5.1153

Triad

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



24.3659, 24.5979, 3.9940



13.3853, 24.5979, 46.8414



36.0959, 24.5979, 54.2010

Complementary

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



24.3659, 24.5979, 3.9940



8.6184, 5.5849, 37.6692

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.



29.6097, 24.5979, 77.3557



24.3659, 24.5979, 3.9940



16.7078, 24.5979, 71.8420

Square

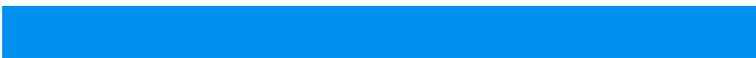
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.3659, 24.5979, 3.9940



12.5226, 24.5979, 24.0924



22.4202, 24.5979, 85.0256



39.1883, 24.5979, 29.6666

Rectangle

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



24.3659, 24.5979, 3.9940



15.1310, 24.5979, 8.1102



22.4202, 24.5979, 85.0256



34.1851, 24.5979, 62.7951

Sweetspot

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



24.3665, 24.5991, 3.9945



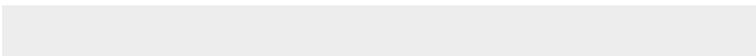
57.4385, 61.2114, 42.0862



17.0326, 8.9994, 4.4231



12.3008, 13.1123, 8.4609



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



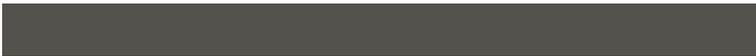
24.3665, 24.5991, 3.9945



42.8618, 42.2228, 5.8907



23.3482, 32.8112, 5.6332



7.9889, 8.4578, 8.0007



17.9517, 17.8007, 2.4897



0.4733, 0.5061, 0.0727

Inverse Universe

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



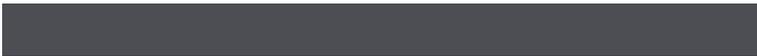
8.6184, 5.5849, 37.6692



14.1324, 7.7436, 67.9749



8.8306, 4.0336, 37.3585



7.2756, 7.5881, 9.4995



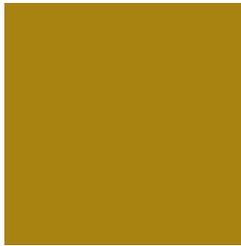
5.9755, 3.4111, 28.3190



0.1841, 0.1604, 0.7019

Previews

White Background



This preview shows how the XYZ color 24.3659, 24.5979, 3.9940 looks on a white background.

Color Contrast Check

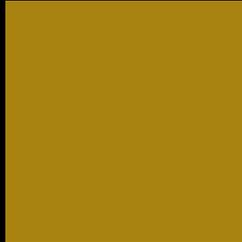
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3659, 24.5979, 3.9940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

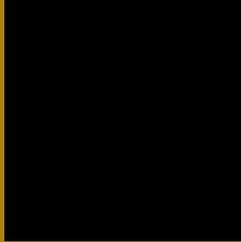
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

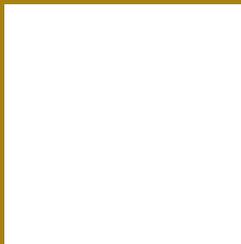
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3659, 24.5979, 3.9940

Background



This preview shows how black text looks on a background with the XYZ color 24.3659, 24.5979, 3.9940.



This preview shows how white text looks on a background with the XYZ color 24.3659, 24.5979,

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

24.3659, 24.5979, 3.9940

Protanopia

22.3896, 24.8084, 4.2245

Deuteranopia

24.9811, 24.5182, 4.0319



Tritanopia

28.5118, 24.5564, 24.7099

Trichromacy



Original Color

24.3659, 24.5979, 3.9940

Protanomaly

23.0712, 24.7425, 4.1321

Deuteranomaly

24.8864, 24.6669, 4.0218

Tritanomaly

26.1923, 24.1761, 12.9588

Monochromacy



Original Color

24.3659, 24.5979, 3.9940

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.0718, 22.5095, 12.4667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3659, 24.5979, 3.9940 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(168, 131, 17)` looks like.

```
.text, #text, p{  
    color:rgb(168, 131, 17)  
}
```

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(168, 131, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 131, 17) }
```

Border

The CSS property to change the border of an element to XYZ 24.3659, 24.5979, 3.9940 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(168, 131, 17) }
```

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

```
.border{ border-color:rgb(168, 131, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 131, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 131, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 131, 17);  
box-shadow:4px 4px 4px 4px rgb(168, 131,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3659, 24.5979, 3.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 131, 17) }
```

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

```
.background{ background-color: rgb(168,  
131, 17) }
```

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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