

Converting Colors

XYZ(23.7390, 27.0206, 7.0963)

Have a look what the booklet for
XYZ(23.7390, 27.0206, 7.0963)
contains.

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Color

**XYZ(23.7077, 26.9578,
7.0858)**

Conversions

Conversions Part 1

Format	Color
Hex	999033
RGB	153, 144, 51
RGB Percent	60%, 56%, 20%
CMY	0.4000, 0.4353, 0.8000
CMYK	0.00, 0.06, 0.67, 0.40
HSL	55°, 50%, 40%
HSV	55°, 67%, 60%
XYZ	23.7077, 26.9578, 7.0858
YIQ	136.0890, 35.2170, -27.0150

Conversions

Conversions Part 2

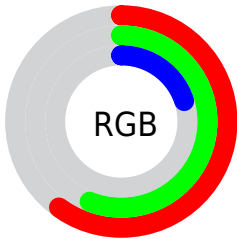
Format	Color
RYB	61, 153, 51
Decimal	10063923
CIELab	58.94, -8.26, 48.75
CIELCh	59, 49.446, 99.611
Yxy	26.9578, 0.4105, 0.4668
Android (android.graphics.Color)	4288254003 (0xFF999033)
YUV	136.0890, -41.9489, 14.8309
Hunter-Lab	51.9209, -9.3564, 28.2531

Details

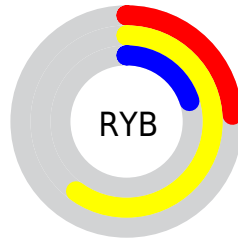
The XYZ color **23.7077, 26.9578, 7.0858** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.7309, 6.2354, 30.8804**, and the grayscale version is **23.5788, 24.8067, 27.0145**.

A 20% lighter version of the original color is **49.1707, 55.0491, 20.6043**, and **9.1483, 10.6581, 1.5750** is the 20% darker color. If you saturate the color by 10%, you get **23.2215, 26.4392, 5.5247**, and if you desaturate by 10%, it is **24.3087, 27.5282, 9.2335**.

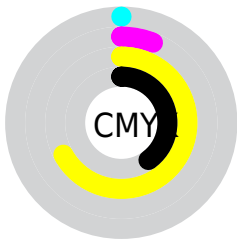
Distribution



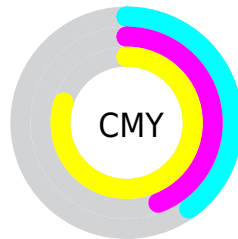
- Red (60%)
- Green (56%)
- Blue (20%)



- Red (24%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (6%)
- Yellow (67%)
- Black (40%)



- Cyan (40%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7077, 26.9578, 7.0858 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 23.7077, 26.9578, 7.0858 by changing the saturation by 10% instead.

■ 23.7077, 26.9578,
7.0858

■ 23.7077, 26.9578,
7.0858

263.8073,
287.4527, 178.0326

■ 15.2405, 17.5415,
3.4366

■ 49.0109, 54.8161,
20.6614

■ 9.0758, 10.6213,
1.3216

■ 66.5777, 74.0270,
31.4249

■ 4.8481, 5.8128,
0.0794

■ 87.9083, 97.2715,
45.3968

■ 2.1923, 2.7316,
0.0000

■ 113.3682,
124.9341, 62.9958

■ 0.7387, 0.9933,
0.0000

■ 143.3227,
157.3991, 84.6403

■ 0.0000, 0.0000,
0.0000

■ 178.1372,

195.0509, 110.7489

218.1769,
238.2740, 141.7402

■ 23.7077, 26.9578,
7.0858

■ 23.7077, 26.9578,
7.0858

■ 23.2215, 26.4392,
5.5247

■ 24.3087, 27.5282,
9.2335

■ 22.8367, 25.9641,
4.4887

■ 25.0323, 28.1506,
12.0179

■ 22.5364, 25.5267,
3.8859

■ 25.8881, 28.8298,
15.4858

■ 22.4429, 25.3843,
3.7168

■ 26.8839, 29.5689,
19.6789

■ 28.0271, 30.3710,
24.6359

■ 29.3244, 31.2386,
30.3924

■ 30.7823, 32.1745,
36.9821

■ 32.4067, 33.1810,
44.4364

■ 34.2034, 34.2605,
52.7853

Harmonies

Analogous

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



29.9448, 26.9578, 7.7402



23.7077, 26.9578, 7.0858



18.8285, 26.9578, 10.2922

Triad

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



23.7077, 26.9578, 7.0858



17.5842, 26.9578, 56.5087



38.3112, 26.9578, 42.7287

Complementary

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



23.7077, 26.9578, 7.0858



8.7309, 6.2354, 30.8804

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.



33.8813, 26.9578, 63.7226



23.7077, 26.9578, 7.0858



21.7377, 26.9578, 73.6295

Square

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



23.7077, 26.9578, 7.0858



15.6835, 26.9578, 35.3463



27.6379, 26.9578, 76.6959



39.0641, 26.9578, 24.0777

Rectangle

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



23.7077, 26.9578, 7.0858



16.7533, 26.9578, 15.3918



27.6379, 26.9578, 76.6959



37.1727, 26.9578, 49.9143

Sweetspot

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



23.7083, 26.9591, 7.0863



49.3980, 53.8417, 40.6444



15.1686, 9.4793, 5.4737



10.7915, 11.8073, 8.4718



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.7083, 26.9591, 7.0863



41.2268, 46.9220, 8.8719



18.6965, 26.4794, 7.2579



6.6623, 7.1297, 6.6309



18.5609, 21.0043, 3.0760



0.2893, 0.3376, 0.0499

Inverse Universe

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



8.7309, 6.2354, 30.8804



12.4743, 7.1867, 54.7017



11.3276, 6.9329, 30.8781



5.9261, 6.1096, 7.7959



4.8881, 2.1728, 25.0695



0.0832, 0.0528, 0.3782

Previews

White Background



This preview shows how the XYZ color 23.7077, 26.9578, 7.0858 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 23.7077, 26.9578, 7.0858 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 23.7077, 26.9578, 7.0858

Background



This preview shows how black text looks on a background with the XYZ color 23.7077, 26.9578, 7.0858.



This preview shows how white text looks on a background with the XYZ color 23.7077, 26.9578,

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

23.7077, 26.9578, 7.0858

Protanopia

24.5468, 26.9472, 6.9252

Deuteranopia

27.4613, 26.9414, 7.2429



Tritanopia

28.4727, 26.9493, 30.4891

Trichromacy



Original Color

23.7077, 26.9578, 7.0858

Protanomaly

24.3028, 27.0433, 6.9566

Deuteranomaly

25.8795, 26.7588, 7.1691

Tritanomaly

26.0583, 26.5938, 18.7986

Monochromacy



Original Color

23.7077, 26.9578, 7.0858

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.9378, 25.2359, 17.0267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7077, 26.9578, 7.0858 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(153, 144, 51)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 51)  
}
```

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(153, 144, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 51) }
```

Border

The CSS property to change the border of an element to XYZ 23.7077, 26.9578, 7.0858 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(153, 144, 51) }
```


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

```
.border{ border-color:rgb(153, 144, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 144, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 144, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 144, 51);  
box-shadow:4px 4px 4px 4px rgb(153, 144,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7077, 26.9578, 7.0858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 51) }
```

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

```
.background{ background-color: rgb(153,  
144, 51) }
```

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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