

Converting Colors

XYZ(23.0536, 26.7935, 13.0163)

Have a look what the booklet for
XYZ(23.0536, 26.7935, 13.0163)
contains.

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Color

**XYZ(23.0010, 26.6897,
12.9562)**

Conversions

Conversions Part 1

Format	Color
Hex	8E9157
RGB	142, 145, 87
RGB Percent	56%, 57%, 34%
CMY	0.4431, 0.4314, 0.6588
CMYK	0.02, 0.00, 0.40, 0.43
HSL	63°, 25%, 45%
HSV	63°, 40%, 57%
XYZ	23.0010, 26.6897, 12.9562
YIQ	137.4910, 16.8300, -18.6740

Conversions

Conversions Part 2

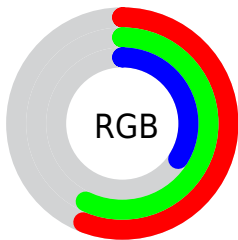
Format	Color
RYB	87, 145, 90
Decimal	9343319
CIELab	58.69, -10.34, 30.40
CIElCh	59, 32.108, 108.786
Yxy	26.6897, 0.3672, 0.4260
Android (android.graphics.Color)	4287533399 (0xFF8E9157)
YUV	137.4910, -24.8921, 3.9544
Hunter-Lab	51.6621, -10.9368, 21.2943

Details

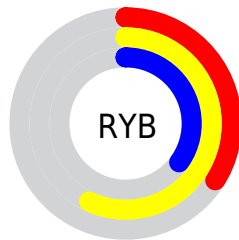
The XYZ color **23.0010, 26.6897, 12.9562** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.7365, 11.0351, 28.2484**, and the grayscale version is **24.0514, 25.3040, 27.5560**.

A 20% lighter version of the original color is **48.0368, 54.5521, 32.0426**, and **8.6917, 10.5113, 3.5783** is the 20% darker color. If you saturate the color by 10%, you get **22.3390, 26.4110, 10.1375**, and if you desaturate by 10%, it is **23.7842, 27.0189, 16.4029**.

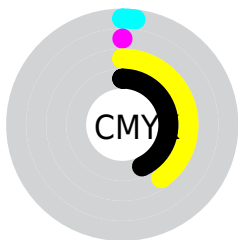
Distribution



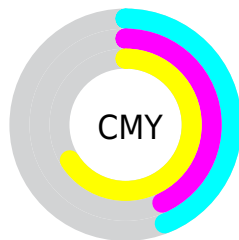
- Red (56%)
- Green (57%)
- Blue (34%)



- Red (34%)
- Yellow (57%)
- Blue (35%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (43%)



- Cyan (44%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0010, 26.6897, 12.9562 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 23.0010, 26.6897, 12.9562 by changing the saturation by 10% instead.

■ 23.0010, 26.6897,
12.9562

■ 23.0010, 26.6897,
12.9562

260.2654,
286.1516, 221.8347

■ 14.7149, 17.3403,
7.2680

■ 47.8616, 54.3855,
31.9151

■ 8.7046, 10.4774,
3.5493

■ 65.1669, 73.5008,
46.0229

■ 4.6046, 5.7166,
1.3815

■ 86.2093, 96.6401,
63.7743

■ 2.0495, 2.6736,
0.1272

■ 111.3541,
124.1879, 85.5879

■ 0.6615, 0.9638,
0.0000

■ 140.9668,
156.5285, 111.8822

■ 0.0000, 0.0000,
0.0000

175.4127,

194.0464, 143.0758

215.0571,
237.1260, 179.5871

■ 23.0010, 26.6897,
12.9562

■ 23.0010, 26.6897,
12.9562

■ 22.3390, 26.4110,
10.1375

■ 23.7842, 27.0189,
16.4029

■ 21.7890, 26.1763,
7.9072

■ 24.6933, 27.3975,
20.5106

■ 21.3439, 25.9836,
6.2243

■ 25.7349, 27.8293,
25.3118

■ 20.9945, 25.8293,
5.0414

■ 26.9148, 28.3165,
30.8365

■ 20.7304, 25.7092,
4.3032

■ 28.2384, 28.8613,
37.1130

■ 20.5236, 25.6122,
3.8619

■ 29.7106, 29.4656,
44.1681

■ 31.3364, 30.1315,
52.0270

■ 33.1203, 30.8607,
60.7141

■ 35.0668, 31.6550,
70.2526

Harmonies

Analogous

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



26.8727, 26.6897, 12.5273



23.0010, 26.6897, 12.9562



20.0755, 26.6897, 16.9620

Triad

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



23.0010, 26.6897, 12.9562



20.6881, 26.6897, 48.6726



33.5655, 26.6897, 33.4962

Complementary

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



23.0010, 26.6897, 12.9562



12.7365, 11.0351, 28.2484

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.



31.5169, 26.6897, 45.8651



23.0010, 26.6897, 12.9562



23.9201, 26.6897, 56.0245

Square

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



23.0010, 26.6897, 12.9562



18.8389, 26.6897, 36.6384



27.8915, 26.6897, 54.8814



33.2537, 26.6897, 22.6070

Rectangle

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



23.0010, 26.6897, 12.9562



18.9292, 26.6897, 21.8830



27.8915, 26.6897, 54.8814



33.1222, 26.6897, 37.6575

Sweetspot

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



23.0017, 26.6909, 12.9568



45.6439, 49.6529, 43.2816



17.0460, 14.0040, 10.8218



10.1063, 11.0261, 9.4079



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



23.0017, 26.6909, 12.9568



40.1128, 47.3419, 18.6097



18.6697, 24.4577, 12.7540



5.8123, 6.2714, 5.7935



17.6096, 21.9707, 3.3126



0.1738, 0.2129, 0.0319

Inverse Universe

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



12.7365, 11.0351, 28.2484



19.1044, 15.2924, 49.9184



16.1139, 12.7762, 28.4064



5.1539, 5.2675, 6.7739



4.4714, 1.7987, 23.0886



0.0469, 0.0193, 0.2209

Previews

White Background



This preview shows how the XYZ color 23.0010, 26.6897, 12.9562 looks on a white background.

Color Contrast Check

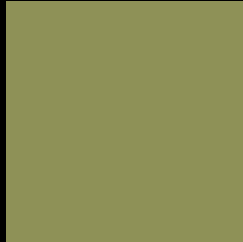
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0010, 26.6897, 12.9562 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 23.0010, 26.6897, 12.9562

Background



This preview shows how black text looks on a background with the XYZ color 23.0010, 26.6897, 12.9562.



This preview shows how white text looks on a background with the XYZ color 23.0010, 26.6897,

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

23.0010, 26.6897, 12.9562

Protanopia

24.5310, 26.5917, 12.6439

Deuteranopia

27.0447, 26.5953, 13.1592



Tritanopia

26.8282, 26.7046, 31.7575

Trichromacy



Original Color

23.0010, 26.6897, 12.9562

Protanomaly

23.9304, 26.5019, 12.6582

Deuteranomaly

25.4913, 26.6434, 13.0317

Tritanomaly

25.1448, 26.6671, 23.5607

Monochromacy



Original Color

23.0010, 26.6897, 12.9562

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.3553, 25.5770, 21.1587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0010, 26.6897, 12.9562 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(142, 145, 87)` looks like.

```
.text, #text, p{  
    color:rgb(142, 145, 87)  
}
```

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(142, 145, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 145, 87) }
```

Border

The CSS property to change the border of an element to XYZ 23.0010, 26.6897, 12.9562 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(142, 145, 87) }
```


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

```
.border{ border-color:rgb(142, 145, 87) }
```

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

Here you see how a box with a 4 pixel rgb(142, 145, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 145, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 145, 87);  
box-shadow:4px 4px 4px 4px rgb(142, 145,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0010, 26.6897, 12.9562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 145, 87) }
```

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

```
.background{ background-color: rgb(142,  
145, 87) }
```

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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