

Converting Colors

XYZ(24.9430, 23.9888, 12.0341)

Have a look what the booklet for
XYZ(24.9430, 23.9888, 12.0341)
contains.

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Color

**XYZ(24.9950, 23.9576,
12.1110)**

Conversions

Conversions Part 1

Format	Color
Hex	A67F56
RGB	166, 127, 86
RGB Percent	65%, 50%, 34%
CMY	0.3490, 0.5019, 0.6627
CMYK	0.00, 0.23, 0.48, 0.35
HSL	31°, 32%, 49%
HSV	31°, 48%, 65%
XYZ	24.9950, 23.9576, 12.1110
YIQ	133.9870, 36.4050, -4.4830

Conversions

Conversions Part 2

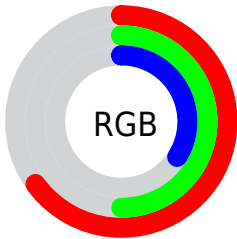
Format	Color
R_{YB}	162, 166, 86
Decimal	10911574
CIE _{Lab}	56.05, 9.80, 28.03
CIE _{LCh}	56, 29.695, 70.735
Yxy	23.9576, 0.4093, 0.3923
Android (android.graphics.Color)	4289101654 (0xFFA67F56)
YUV	133.9870, -23.6576, 28.0754
Hunter-Lab	48.9465, 5.4964, 19.5922

Details

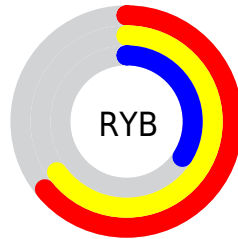
The XYZ color **24.9950, 23.9576, 12.1110** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.0541, 19.3982, 38.8691**, and the grayscale version is **22.7305, 23.9143, 26.0427**.

A 20% lighter version of the original color is **51.1966, 50.1081, 30.2660**, and **9.7895, 9.0467, 3.2377** is the 20% darker color. If you saturate the color by 10%, you get **23.3990, 21.7145, 8.6538**, and if you desaturate by 10%, it is **26.8315, 26.4330, 16.4152**.

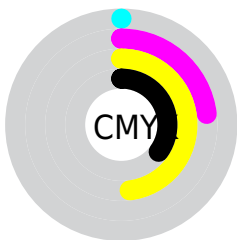
Distribution



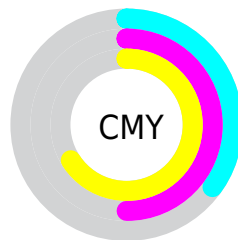
- Red (65%)
- Green (50%)
- Blue (34%)



- Red (64%)
- Yellow (65%)
- Blue (34%)



- Cyan (0%)
- Magenta (23%)
- Yellow (48%)
- Black (35%)



- Cyan (35%)
- Magenta (50%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9950, 23.9576, 12.1110 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 24.9950, 23.9576, 12.1110 by changing the saturation by 10% instead.

■ 24.9950, 23.9576,
12.1110

■ 24.9950, 23.9576,
12.1110

270.1611,
272.6060, 216.1427

■ 16.2020, 15.3022,
6.6959

■ 51.0921, 49.9610,
30.3645

■ 9.7590, 9.0317,
3.1971

■ 69.1269, 68.0778,
44.0400

■ 5.3005, 4.7619,
1.1961

■ 90.9730, 90.1171,
61.3060

■ 2.4612, 2.1082,
0.0000

■ 116.9959,
116.4634, 82.5810

■ 0.8757, 0.6693,
0.0000

■ 147.5607,
147.5010, 108.2837

■ 0.0000, 0.0000,
0.0000

183.0330,

183.6144, 138.8325

223.7780,
225.1880, 174.6460

■ 24.9950, 23.9576,
12.1110

■ 24.9950, 23.9576,
12.1110

■ 23.3990, 21.7145,
8.6538

■ 26.8315, 26.4330,
16.4152

■ 22.0288, 19.6920,
5.9841

■ 28.9185, 29.1451,
21.6176

■ 20.8708, 17.8823,
4.0368

■ 31.2674, 32.1022,
27.7670

■ 19.9082, 16.2753,
2.7355

■ 33.8884, 35.3113,
34.9081

■ 19.1138, 14.8566,
1.9464

■ 36.7912, 38.7790,
43.0828

■ 18.9809, 14.6170,
1.8210

■ 39.9847, 42.5116,
52.3306

■ 43.4776, 46.5151,
62.6890

■ 47.2782, 50.7955,
74.1935

■ 51.3943, 55.3583,
86.8781

Harmonies

Analogous

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



28.0881, 23.9576, 15.6831



24.9950, 23.9576, 12.1110



21.5758, 23.9576, 11.6842

Triad

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



24.9950, 23.9576, 12.1110



16.9371, 23.9576, 29.7278



27.3052, 23.9576, 42.9845

Complementary

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



24.9950, 23.9576, 12.1110



18.0541, 19.3982, 38.8691

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.



24.0095, 23.9576, 49.1216



24.9950, 23.9576, 12.1110



18.1712, 23.9576, 40.2973

Square

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



24.9950, 23.9576, 12.1110



17.1444, 23.9576, 20.3872



20.6830, 23.9576, 48.0314



29.5109, 23.9576, 32.7581

Rectangle

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



24.9950, 23.9576, 12.1110



19.5931, 23.9576, 13.0833



20.6830, 23.9576, 48.0314



26.2752, 23.9576, 45.6967

Sweetspot

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



24.9956, 23.9588, 12.1115



58.5578, 60.4973, 55.2713



22.8197, 16.2692, 21.6764



12.8871, 13.2709, 11.7820



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.



24.9956, 23.9588, 12.1115



42.2305, 39.0687, 15.2207



31.0419, 36.0514, 14.1269



7.8371, 8.1542, 7.9501



14.7657, 11.4287, 1.4277



0.4102, 0.3800, 0.0517

Inverse Universe

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



18.0541, 19.3982, 38.8691



28.0892, 29.7817, 69.7433



14.0487, 11.3875, 37.5340



7.4223, 7.8816, 9.5484



7.6609, 6.7819, 28.8808



0.2378, 0.2678, 0.7198

Previews

White Background



This preview shows how the XYZ color 24.9950, 23.9576, 12.1110 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 24.9950, 23.9576, 12.1110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

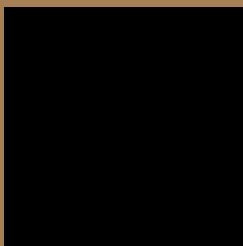
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9950, 23.9576, 12.1110

Background



This preview shows how black text looks on a background with the XYZ color 24.9950, 23.9576, 12.1110.



This preview shows how white text looks on a background with the XYZ color 24.9950, 23.9576,

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

24.9950, 23.9576, 12.1110

Protanopia

22.3212, 24.1602, 12.9381

Deuteranopia

24.4303, 24.0538, 12.1593



Tritanopia

27.5117, 23.8595, 24.6280

Trichromacy



Original Color

24.9950, 23.9576, 12.1110

Protanomaly

23.1496, 23.9794, 12.6409

Deuteranomaly

24.5031, 23.8968, 12.1252

Tritanomaly

26.5397, 23.8387, 19.4222

Monochromacy



Original Color

24.9950, 23.9576, 12.1110

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.1812, 23.6279, 20.1685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9950, 23.9576, 12.1110 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(166, 127, 86)` looks like.

```
.text, #text, p{  
    color:rgb(166, 127, 86)  
}
```

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(166, 127, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 127, 86) }
```

Border

The CSS property to change the border of an element to XYZ 24.9950, 23.9576, 12.1110 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(166, 127, 86) }
```


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

```
.border{ border-color:rgb(166, 127, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 127, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 127, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 127, 86);  
box-shadow:4px 4px 4px 4px rgb(166, 127,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9950, 23.9576, 12.1110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 127, 86) }
```

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

```
.background{ background-color: rgb(166,  
127, 86) }
```

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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