

Converting Colors

XYZ(16.0785, 24.0536, 6.7898)

Have a look what the booklet for
XYZ(16.0785, 24.0536, 6.7898)
contains.

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Color

**XYZ(15.9895, 23.8969,
6.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	609432
RGB	96, 148, 50
RGB Percent	38%, 58%, 20%
CMY	0.6235, 0.4196, 0.8039
CMYK	0.35, 0.00, 0.66, 0.42
HSL	92°, 49%, 39%
HSV	92°, 66%, 58%
XYZ	15.9895, 23.8969, 6.7874
YIQ	121.2800, 0.4660, -41.5020

Conversions

Conversions Part 2

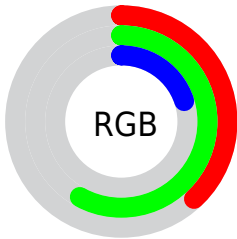
Format	Color
RYB	50, 148, 102
Decimal	6329394
CIELab	55.98, -34.26, 44.81
CIElCh	56, 56.407, 127.401
Yxy	23.8969, 0.3426, 0.5120
Android (android.graphics.Color)	4284519474 (0xFF609432)
YUV	121.2800, -35.1410, -22.1706
Hunter-Lab	48.8845, -27.1627, 25.9870

Details

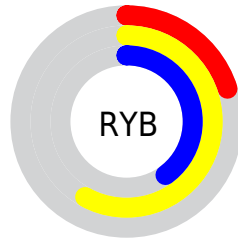
The XYZ color **15.9895, 23.8969, 6.7874** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.9664, 7.2448, 28.7860**, and the grayscale version is **18.3754, 19.3323, 21.0529**.

A 20% lighter version of the original color is **36.0472, 49.6647, 19.9983**, and **5.2710, 9.0630, 1.4715** is the 20% darker color. If you saturate the color by 10%, you get **14.9352, 23.3852, 5.3325**, and if you desaturate by 10%, it is **17.2308, 24.4945, 8.7909**.

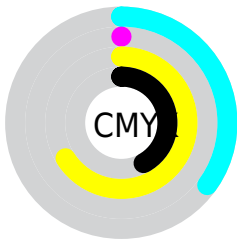
Distribution



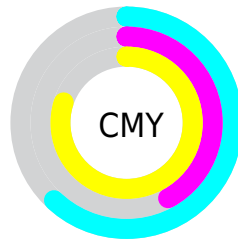
- Red (38%)
- Green (58%)
- Blue (20%)



- Red (20%)
- Yellow (58%)
- Blue (40%)



- Cyan (35%)
- Magenta (0%)
- Yellow (66%)
- Black (42%)



- Cyan (62%)
- Magenta (42%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9895, 23.8969, 6.7874 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 15.9895, 23.8969, 6.7874 by changing the saturation by 10% instead.

■ 15.9895, 23.8969,
6.7874

■ 15.9895, 23.8969,
6.7874

222.5514,
272.2988, 175.4486

■ 9.6075, 15.2572,
3.2531

■ 36.1376, 49.8619,
20.0498

■ 5.1998, 9.0001,
1.2253

■ 50.6344, 67.9560,
30.6149

■ 2.4009, 4.7412,
0.0000

■ 68.5668, 89.9702,
44.3607

■ 0.8456, 2.0962,
0.0000

■ 90.3003, 116.2891,
61.7057

■ 0.0000, 0.6625,
0.0000

■ 116.2001,
147.2970, 83.0684

■ 0.0000, 0.0000,
0.0000

■ 146.6317,

183.3784, 108.8675

181.9603,
224.9175, 139.5214

■ 15.9895, 23.8969,
6.7874

■ 15.9895, 23.8969,
6.7874

■ 14.9352, 23.3852,
5.3325

■ 17.2308, 24.4945,
8.7909

■ 14.0533, 22.9510,
4.3700

■ 18.6687, 25.1797,
11.3890

■ 13.3264, 22.5878,
3.8184

■ 20.3139, 25.9580,
14.6246

■ 13.0779, 22.4632,
3.6465

■ 22.1760, 26.8333,
18.5362

■ 24.2637, 27.8094,
23.1591

■ 26.5852, 28.8897,
28.5264

■ 29.1483, 30.0778,
34.6690

■ 31.9604, 31.3766,
41.6159

■ 35.0286, 32.7893,
49.3948

Harmonies

Analogous

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



21.1547, 23.8969, 4.3124



15.9895, 23.8969, 6.7874



13.0890, 23.8969, 14.6289

Triad

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



15.9895, 23.8969, 6.7874



18.2778, 23.8969, 74.4375



37.3453, 23.8969, 21.7122

Complementary

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



15.9895, 23.8969, 6.7874



11.9664, 7.2448, 28.7860

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.



36.1765, 23.8969, 42.1726



15.9895, 23.8969, 6.7874



24.3466, 23.8969, 79.4396

Square

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



15.9895, 23.8969, 6.7874



14.2253, 23.8969, 54.0636



31.0987, 23.8969, 65.6029



34.0436, 23.8969, 9.8725

Rectangle

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



15.9895, 23.8969, 6.7874



12.4498, 23.8969, 24.4437



31.0987, 23.8969, 65.6029



37.4715, 23.8969, 27.6620

Sweetspot

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



15.9901, 23.8979, 6.7879



41.2195, 48.3233, 37.2918



17.4076, 15.7634, 5.1431



9.1960, 10.9313, 8.0411



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.9901, 23.8979, 6.7879



25.6363, 40.9095, 8.5672



12.5176, 22.1037, 6.8127



5.9729, 6.5939, 6.1984



11.2011, 19.2022, 3.1160



0.1706, 0.2523, 0.0397

Inverse Universe

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



11.9664, 7.2448, 28.7860



17.9882, 9.3183, 50.2851



18.5712, 10.6645, 28.4249



5.7756, 5.7753, 7.2801



7.3187, 3.2455, 24.1717



0.1236, 0.0573, 0.2974

Previews

White Background



This preview shows how the XYZ color 15.9895, 23.8969, 6.7874 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 15.9895, 23.8969, 6.7874 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 15.9895, 23.8969, 6.7874

Background



This preview shows how black text looks on a background with the XYZ color 15.9895, 23.8969, 6.7874.



This preview shows how white text looks on a background with the XYZ color 15.9895, 23.8969,

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

15.9895, 23.8969, 6.7874

Protanopia

21.4127, 23.6370, 6.0186

Deuteranopia

24.0538, 23.5811, 7.1547



Tritanopia

20.9437, 23.6619, 31.8971

Trichromacy



Original Color

15.9895, 23.8969, 6.7874

Protanomaly

18.9516, 23.4163, 6.2103

Deuteranomaly

20.3143, 23.2570, 6.9084

Tritanomaly

18.4793, 23.5415, 19.1928

Monochromacy



Original Color

15.9895, 23.8969, 6.7874

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.8639, 20.5036, 13.8952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9895, 23.8969, 6.7874 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(96, 148, 50)` looks like.

```
.text, #text, p{  
    color:rgb(96, 148, 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(96, 148, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 148, 50) }
```

Border

The CSS property to change the border of an element to XYZ 15.9895, 23.8969, 6.7874 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(96, 148, 50) }
```


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

```
.border{ border-color:rgb(96, 148, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 148, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 148, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 148, 50);  
box-shadow:4px 4px 4px 4px rgb(96, 148,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9895, 23.8969, 6.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 148, 50) }
```

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

```
.background{ background-color: rgb(96, 148,  
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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