

Converting Colors

XYZ(30.9632, 30.8645, 13.9968)

Have a look what the booklet for
XYZ(30.9632, 30.8645, 13.9968)
contains.

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Color

**XYZ(30.7933, 30.6923,
13.9741)**

Conversions

Conversions Part 1

Format	Color
Hex	B4915A
RGB	180, 145, 90
RGB Percent	71%, 57%, 35%
CMY	0.2941, 0.4314, 0.6471
CMYK	0.00, 0.19, 0.50, 0.29
HSL	37°, 37%, 53%
HSV	37°, 50%, 71%
XYZ	30.7933, 30.6923, 13.9741
YIQ	149.1950, 38.5150, -9.6850

Conversions

Conversions Part 2

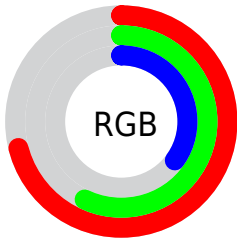
Format	Color
RYB	147, 180, 90
Decimal	11833690
CIELab	62.25, 6.14, 34.03
CIElCh	62, 34.574, 79.778
Yxy	30.6923, 0.4081, 0.4067
Android (android.graphics.Color)	4290023770 (0xFFB4915A)
YUV	149.1950, -29.1831, 27.0160
Hunter-Lab	55.4006, 2.2644, 23.8253

Details

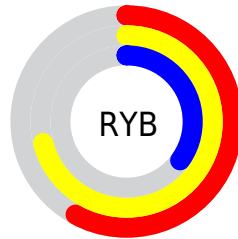
The XYZ color **30.7933, 30.6923, 13.9741** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.7881, 20.1355, 46.0236**, and the grayscale version is **28.7576, 30.2552, 32.9479**.

A 20% lighter version of the original color is **60.4910, 60.9471, 33.7750**, and **12.9676, 12.7116, 3.9606** is the 20% darker color. If you saturate the color by 10%, you get **29.0814, 28.3498, 10.0705**, and if you desaturate by 10%, it is **32.7581, 33.2438, 18.8780**.

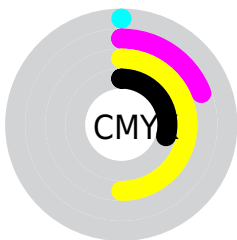
Distribution



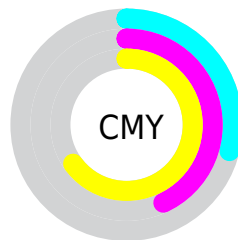
- Red (71%)
- Green (57%)
- Blue (35%)



- Red (58%)
- Yellow (71%)
- Blue (35%)



- Cyan (0%)
- Magenta (19%)
- Yellow (50%)
- Black (29%)





- Cyan (29%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7933, 30.6923, 13.9741 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 30.7933, 30.6923, 13.9741 by changing the saturation by 10% instead.


 30.7933, 30.6923,
13.9741


 30.7933, 30.6923,
13.9741


297.4288,
305.1182, 228.4925

 20.5926, 20.3647,
7.9641


 60.2926, 60.7553,
33.7595


 12.9373, 12.6604,
3.9845


 80.3218, 81.2594,
48.3721

 7.4621, 7.1951,
1.6169


 104.3579,
105.9246, 66.6892

 3.8016, 3.5844,
0.3028

 132.7662,
135.1350, 89.1294

 1.5905, 1.4439,
0.0000

165.9121,
169.2752, 116.1113

 0.3862, 0.2488,
0.0000

204.1609,

 0.0000, 0.0000,

208.7296, 148.0534

0.0000

247.8781,
253.8824, 185.3743

■ 30.7933, 30.6923,
13.9741

■ 30.7933, 30.6923,
13.9741

■ 29.0814, 28.3498,
10.0705

■ 32.7581, 33.2438,
18.8780

■ 27.6054, 26.2040,
7.0932

■ 34.9871, 36.0070,
24.8453

■ 26.3494, 24.2478,
4.9607

■ 37.4932, 38.9902,
31.9360

■ 25.2938, 22.4714,
3.5766

■ 40.2880, 42.1997,
40.2052

■ 24.3993, 20.8571,
2.7399

■ 43.3822, 45.6414,
49.7041

■ 24.3992, 20.8569,
2.7398

■ 46.7859, 49.3212,
60.4812

■ 50.5088, 53.2444,
72.5820

■ 54.5601, 57.4163,
86.0500

■ 58.9486, 61.8421,
100.9267

Harmonies

Analogous

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



35.3574, 30.6923, 17.3889



30.7933, 30.6923, 13.9741



26.2404, 30.6923, 14.6028

Triad

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



30.7933, 30.6923, 13.9741



21.5181, 30.6923, 42.8887



36.5725, 30.6923, 52.9075

Complementary

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



30.7933, 30.6923, 13.9741



19.7881, 20.1355, 46.0236

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.



32.3144, 30.6923, 63.8962



30.7933, 30.6923, 13.9741



23.7538, 30.6923, 57.1265

Square

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



30.7933, 30.6923, 13.9741



21.2038, 30.6923, 29.0634



27.6088, 30.6923, 65.6181



38.9219, 30.6923, 38.1887

Rectangle

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



30.7933, 30.6923, 13.9741



23.8002, 30.6923, 17.3063



27.6088, 30.6923, 65.6181



35.2970, 30.6923, 57.3094

Sweetspot

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



30.7940, 30.6938, 13.9747



70.3199, 73.4056, 64.7452



26.2447, 18.5223, 21.9309



14.9746, 15.6072, 13.3345



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.7940, 30.6938, 13.9747



52.4365, 50.9881, 17.6300



34.9614, 42.0387, 15.9449



8.9141, 9.3407, 8.9856



17.0959, 14.6903, 1.9345



0.5925, 0.5715, 0.0791

Inverse Universe

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



19.7881, 20.1355, 46.0236



30.2175, 29.7065, 82.4359



17.0403, 13.2606, 44.8414



8.3039, 8.7541, 10.7584



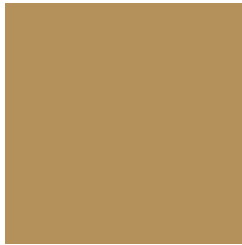
7.3392, 5.4788, 30.8077



0.2885, 0.2876, 0.9885

Previews

White Background



This preview shows how the XYZ color 30.7933, 30.6923, 13.9741 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.7933, 30.6923, 13.9741 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 ✓ Pass

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

XYZ 30.7933, 30.6923, 13.9741

Background



This preview shows how black text looks on a background with the XYZ color 30.7933, 30.6923, 13.9741.



This preview shows how white text looks on a background with the XYZ color 30.7933, 30.6923,

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

30.7933, 30.6923, 13.9741

Protanopia

28.5154, 30.9053, 14.5876

Deuteranopia

31.3472, 30.7520, 13.9564



Tritanopia

34.5209, 30.6612, 32.5325

Trichromacy



Original Color

30.7933, 30.6923, 13.9741

Protanomaly

29.2133, 30.7963, 14.3021

Deuteranomaly

31.1101, 30.6298, 13.9453

Tritanomaly

32.9496, 30.6755, 24.6064

Monochromacy



Original Color

30.7933, 30.6923, 13.9741

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.9834, 30.2119, 24.7260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7933, 30.6923, 13.9741 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(180, 145, 90)` looks like.

```
.text, #text, p{  
    color:rgb(180, 145, 90)  
}
```

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(180, 145, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 145, 90) }
```

Border

The CSS property to change the border of an element to XYZ 30.7933, 30.6923, 13.9741 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(180, 145, 90) }
```


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

```
.border{ border-color:rgb(180, 145, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 145, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 145, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 145, 90);  
box-shadow:4px 4px 4px 4px rgb(180, 145,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7933, 30.6923, 13.9741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 145, 90) }
```

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

```
.background{ background-color: rgb(180,  
145, 90) }
```

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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