

Converting Colors

XYZ(23.6938, 30.4025, 5.0130)

Have a look what the booklet for
XYZ(23.6938, 30.4025, 5.0130)
contains.

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Color

**XYZ(23.6272, 30.3224,
4.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	8F9E0D
RGB	143, 158, 13
RGB Percent	56%, 62%, 5%
CMY	0.4392, 0.3804, 0.9490
CMYK	0.09, 0.00, 0.92, 0.38
HSL	66°, 85%, 34%
HSV	66°, 92%, 62%
XYZ	23.6272, 30.3224, 4.9883
YIQ	136.9850, 37.6050, -48.2750

Conversions

Conversions Part 2

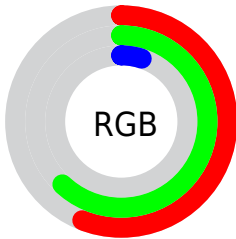
Format	Color
RYB	13, 158, 28
Decimal	9412109
CIELab	61.93, -21.53, 62.80
CIELCh	62, 66.388, 108.921
Yxy	30.3224, 0.4009, 0.5145
Android (android.graphics.Color)	4287602189 (0xFF8F9E0D)
YUV	136.9850, -61.1246, 5.2752
Hunter-Lab	55.0658, -19.7757, 33.1751

Details

The XYZ color **23.6272, 30.3224, 4.9883** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.7953, 3.0040, 32.5713**, and the grayscale version is **23.9873, 25.2365, 27.4825**.

A 20% lighter version of the original color is **48.7380, 59.9164, 16.2040**, and **9.2822, 12.5901, 1.9409** is the 20% darker color. If you saturate the color by 10%, you get **23.3234, 30.1752, 4.5951**, and if you desaturate by 10%, it is **24.0598, 30.5295, 5.7750**.

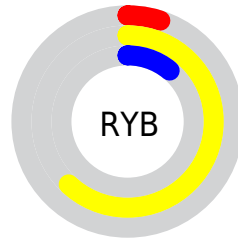
Distribution



Red (56%)

Green (62%)

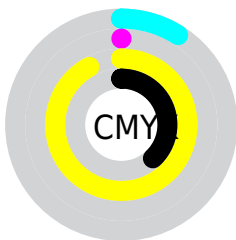
Blue (5%)



Red (5%)

Yellow (62%)

Blue (11%)

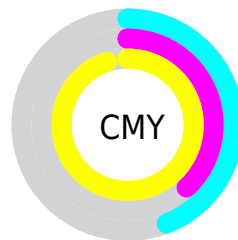


Cyan (9%)

Magenta (0%)

Yellow (92%)

Black (38%)



Cyan (44%)


Magenta (38%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6272, 30.3224, 4.9883 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 23.6272, 30.3224, 4.9883 by changing the saturation by 10% instead.


 23.6272, 30.3224,
4.9883


 23.6272, 30.3224,
4.9883


263.4059,
303.4044, 158.6476


 15.1805, 20.0834,
2.1818


 48.8803, 60.1717,
16.2316


 9.0333, 12.4557,
0.6638


 66.4174, 80.5507,
25.5055


 4.8202, 7.0548,
0.0000


 87.7154, 105.0786,
37.7722

 2.1758, 3.4964,
0.0000

 113.1396,
134.1398, 53.4503

 0.7300, 1.3961,
0.0000

 143.0554,
168.1185, 72.9584

 0.0000, 0.2138,
0.0000

 177.8282,

 0.0000, 0.0000,

207.3993, 96.7149

0.0000

217.8232,
252.3664, 125.1385

23.6272, 30.3224,
4.9883

23.6272, 30.3224,
4.9883

23.3234, 30.1752,
4.5951

24.0598, 30.5295,
5.7750

24.5959, 30.7773,
7.0880

25.2497, 31.0728,
8.9993

26.0327, 31.4204,
11.5691

26.9549, 31.8241,
14.8504

■ 28.0255, 32.2877,
18.8907

■ 29.2527, 32.8144,
23.7333

■ 30.6440, 33.4073,
29.4186

■ 32.2067, 34.0692,
35.9839

Harmonies

Analogous

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



32.2306, 30.3224, 4.5129



23.6272, 30.3224, 4.9883



17.7634, 30.3224, 10.1690

Triad

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



23.6272, 30.3224, 4.9883



18.9872, 30.3224, 85.3503



49.0525, 30.3224, 43.3416

Complementary

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



23.6272, 30.3224, 4.9883



6.7953, 3.0040, 32.5713

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.



43.7155, 30.3224, 76.7437



23.6272, 30.3224, 4.9883



25.6599, 30.3224, 108.0923

Square

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



23.6272, 30.3224, 4.9883



15.4897, 30.3224, 51.5625



34.7240, 30.3224, 104.3182



48.1954, 30.3224, 19.5540

Rectangle

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



23.6272, 30.3224, 4.9883



15.6358, 30.3224, 18.3573



34.7240, 30.3224, 104.3182



47.8858, 30.3224, 53.9302

Sweetspot

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



23.6279, 30.3238, 4.9889



51.5767, 58.9261, 36.9705



14.5778, 8.1061, 1.1775



11.4326, 13.2007, 7.5761



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.6279, 30.3238, 4.9889



42.2538, 54.7440, 8.3396



14.8995, 25.8241, 4.5804



7.1025, 7.6855, 7.0948



18.6979, 24.1759, 3.6809



0.3518, 0.4413, 0.0666

Inverse Universe

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



6.7953, 3.0040, 32.5713



11.5248, 4.6466, 59.0329



11.5723, 5.4667, 32.7948



6.3453, 6.4665, 8.3204



5.1362, 2.0768, 26.0374



0.1082, 0.0456, 0.4663

Previews

White Background



This preview shows how the XYZ color 23.6272, 30.3224, 4.9883 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 23.6272, 30.3224, 4.9883 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 23.6272, 30.3224, 4.9883

Background



This preview shows how black text looks on a background with the XYZ color 23.6272, 30.3224, 4.9883.



This preview shows how white text looks on a background with the XYZ color 23.6272, 30.3224,

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

23.6272, 30.3224, 4.9883

Protanopia

27.3124, 30.2652, 4.6320

Deuteranopia

30.6338, 30.1261, 5.3627



Tritanopia

30.1228, 30.3046, 36.6095

Trichromacy



Original Color

23.6272, 30.3224, 4.9883

Protanomaly

25.9432, 30.2780, 4.7640

Deuteranomaly

27.7578, 30.0123, 5.1406

Tritanomaly

26.3789, 29.7324, 17.7132

Monochromacy



Original Color

23.6272, 30.3224, 4.9883

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.7046, 26.5125, 14.0460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6272, 30.3224, 4.9883 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(143, 158, 13)` looks like.

```
.text, #text, p{  
    color:rgb(143, 158, 13)  
}
```

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(143, 158, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 158, 13) }
```

Border

The CSS property to change the border of an element to XYZ 23.6272, 30.3224, 4.9883 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(143, 158, 13) }
```


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

```
.border{ border-color:rgb(143, 158, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 158, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 158, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 158, 13);  
box-shadow:4px 4px 4px 4px rgb(143, 158,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6272, 30.3224, 4.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 158, 13) }
```

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

```
.background{ background-color: rgb(143,  
158, 13) }
```

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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