

Converting Colors

XYZ(23.1831, 17.1686, 0.0120)

Have a look what the booklet for
XYZ(23.1831, 17.1686, 0.0120)
contains.

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Color

**XYZ(23.4973, 17.2937,
2.0996)**

Conversions

Conversions Part 1

Format	Color
Hex	B95800
RGB	185, 88, 0
RGB Percent	73%, 35%, 0%
CMY	0.2745, 0.6549, 1.0000
CMYK	0.00, 0.52, 1.00, 0.27
HSL	29°, 100%, 36%
HSV	29°, 100%, 73%
XYZ	23.4973, 17.2937, 2.0996
YIQ	106.9710, 86.0600, -6.8040

Conversions

Conversions Part 2

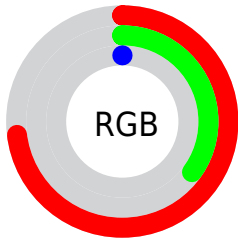
Format	Color
R_{YB}	185, 168, 0
Decimal	12146688
CIE Lab	48.63, 35.24, 57.80
CIE LCh	49, 67.691, 58.629
Yxy	17.2937, 0.5478, 0.4032
Android (android.graphics.Color)	4290336768 (0xFFB95800)
YUV	106.9710, -52.7367, 68.4314
Hunter-Lab	41.5857, 28.0835, 26.1165

Details

The XYZ color **23.4973, 17.2937, 2.0996** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.0315, 12.0519, 47.5380**, and the grayscale version is **14.0927, 14.8266, 16.1462**.

A 20% lighter version of the original color is **48.5782, 38.8672, 9.3567**, and **9.0377, 5.7361, 0.6308** is the 20% darker color. If you saturate the color by 10%, you get **23.4974, 17.2942, 2.0997**, and if you desaturate by 10%, it is **24.4610, 19.0399, 2.9800**.

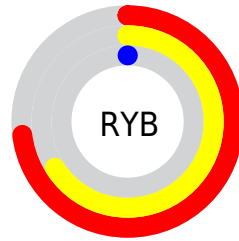
Distribution



Red (73%)

Green (35%)

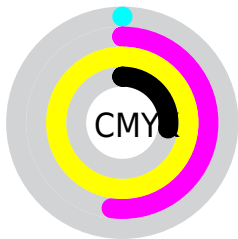
Blue (0%)



Red (73%)

Yellow (66%)

Blue (0%)

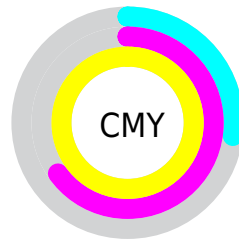


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4973, 17.2937, 2.0996 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 23.4973, 17.2937, 2.0996 by changing the saturation by 10% instead.


 23.4973, 17.2937,
2.0996


 23.4973, 17.2937,
2.0996


262.7569,
236.8592, 123.9047


 15.0839, 10.4441,
0.6155


 48.6693, 38.8301,
9.3114

 8.9650, 5.6944,
0.0000


 66.1585, 54.2856,
15.9165


 4.7753, 2.6602,
0.0000

 87.4038, 73.3786,
25.0791

 2.1494, 0.9570,
0.0000

 112.7703, 96.4935,
37.2179


 0.7159, 0.0000,
0.0000


 142.6235,
124.0146, 52.7513


 0.0000, 0.0000,
0.0000


 177.3288,


156.3263, 72.0979


 217.2515,
193.8131, 95.6761


 23.4973, 17.2937,
2.0996


 23.4973, 17.2937,
2.0996


 23.4974, 17.2942,
2.0997

 24.4610, 19.0399,
2.9800

 25.6415, 21.0479,
4.4619

 27.0827, 23.3419,
6.7563

 28.8078, 25.9370,
9.9675

 30.8367, 28.8464,
14.1840

■ 33.1873, 32.0826,
19.4838

■ 35.8758, 35.6571,
25.9369

■ 38.9172, 39.5808,
33.6077

■ 42.3257, 43.8638,
42.5554

Harmonies

Analogous

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



29.3574, 17.2937, 6.7090



23.4973, 17.2937, 2.0996



16.7255, 17.2937, 1.1402

Triad

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



23.4973, 17.2937, 2.0996



7.1325, 17.2937, 18.0207



22.8728, 17.2937, 67.8673

Complementary

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



23.4973, 17.2937, 2.0996



13.0315, 12.0519, 47.5380

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.



16.1521, 17.2937, 78.1903



23.4973, 17.2937, 2.0996



8.0034, 17.2937, 40.5227

Square

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



23.4973, 17.2937, 2.0996



8.1821, 17.2937, 6.0193



10.9551, 17.2937, 65.9555



28.9374, 17.2937, 42.9397

Rectangle

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



23.4973, 17.2937, 2.0996



12.8989, 17.2937, 1.4387



10.9551, 17.2937, 65.9555



20.5696, 17.2937, 73.6610

Sweetspot

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



23.4977, 17.2947, 2.0999



64.0016, 63.5319, 45.8329



22.2438, 11.2089, 12.7127



13.3499, 13.1056, 8.7925



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.4977, 17.2947, 2.0999



41.8534, 30.5129, 3.6837



36.0941, 42.4875, 6.2987



9.3475, 9.6980, 9.4861



16.0718, 11.9199, 1.4537



0.6286, 0.5443, 0.0719

Inverse Universe

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



13.0315, 12.0519, 47.5380



23.1031, 21.1124, 85.0620



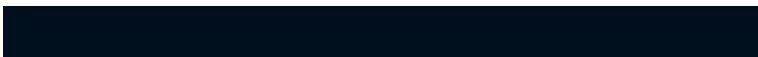
8.8239, 3.6368, 46.1355



8.9002, 9.4777, 11.4397



8.9466, 8.3529, 32.3938



0.3769, 0.4175, 1.1625

Previews

White Background



This preview shows how the XYZ color 23.4973, 17.2937, 2.0996 looks on a white 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

Black Background



This preview shows how the XYZ color 23.4973, 17.2937, 2.0996 looks on a black 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

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

XYZ 23.4973, 17.2937, 2.0996

Background



This preview shows how black text looks on a background with the XYZ color 23.4973, 17.2937, 2.0996.



This preview shows how white text looks on a background with the XYZ color 23.4973, 17.2937,

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

23.4973, 17.2937, 2.0996

Protanopia

15.8225, 17.5883, 3.0913

Deuteranopia

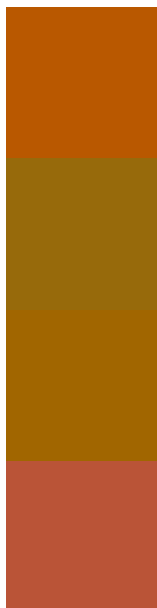
17.6086, 17.3549, 2.4218



Tritanopia

25.2311, 17.2875, 11.0238

Trichromacy



Original Color

23.4973, 17.2937, 2.0996

Protanomaly

17.9769, 16.9115, 2.6334

Deuteranomaly

19.4493, 17.0798, 2.2716

Tritanomaly

24.1096, 17.0556, 5.6358

Monochromacy



Original Color

23.4973, 17.2937, 2.0996

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.5922, 14.6826, 7.4811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4973, 17.2937, 2.0996 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(185, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 88, 0)  
}
```

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(185, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.4973, 17.2937, 2.0996 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(185, 88, 0) }
```


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

```
.border{ border-color:rgb(185, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(185, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4973, 17.2937, 2.0996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 88, 0) }
```

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

```
.background{ background-color: rgb(185, 88,  
0) }
```

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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