

Converting Colors

XYZ(23.6721, 17.2661, 2.6769)

Have a look what the booklet for
XYZ(23.6721, 17.2661, 2.6769)
contains.

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Color

**XYZ(23.7671, 17.2992,
2.6587)**

Conversions

Conversions Part 1

Format	Color
Hex	BA5712
RGB	186, 87, 18
RGB Percent	73%, 34%, 7%
CMY	0.2706, 0.6588, 0.9294
CMYK	0.00, 0.53, 0.90, 0.27
HSL	25°, 82%, 40%
HSV	25°, 90%, 73%
XYZ	23.7671, 17.2992, 2.6587
YIQ	108.7350, 81.1530, -0.4710

Conversions

Conversions Part 2

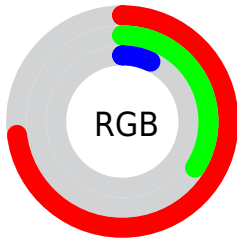
Format	Color
RYB	186, 135, 18
Decimal	12211986
CIELab	48.63, 36.41, 53.42
CIElCh	49, 64.643, 55.724
Yxy	17.2992, 0.5436, 0.3956
Android (android.graphics.Color)	4290402066 (0xFFBA5712)
YUV	108.7350, -44.7324, 67.7614
Hunter-Lab	41.5923, 29.2138, 25.3246

Details

The XYZ color **23.7671, 17.2992, 2.6587** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.4732, 16.3955, 48.8031**, and the grayscale version is **14.5680, 15.3267, 16.6907**.

A 20% lighter version of the original color is **49.0495, 38.8639, 10.7106**, and **9.2658, 5.7588, 0.6232** is the 20% darker color. If you saturate the color by 10%, you get **22.8615, 15.6629, 1.8183**, and if you desaturate by 10%, it is **24.9418, 19.2993, 4.1283**.

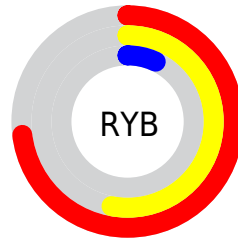
Distribution



Red (73%)

Green (34%)

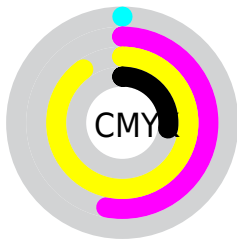
Blue (7%)



Red (73%)

Yellow (53%)

Blue (7%)

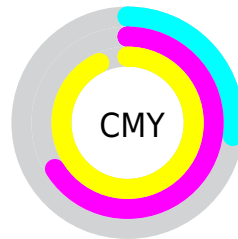


Cyan (0%)

Magenta (53%)

Yellow (90%)

Black (27%)



Cyan (27%)


Magenta (66%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7671, 17.2992, 2.6587 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 23.7671, 17.2992, 2.6587 by changing the saturation by 10% instead.


 23.7671, 17.2992,
2.6587


 23.7671, 17.2992,
2.6587


264.1033,
236.8907, 131.8874


 15.2847, 10.4480,
0.9225


 49.1073, 38.8395,
10.7740


 9.1071, 5.6970,
0.0000


 66.6959, 54.2974,
17.9907


 4.8688, 2.6617,
0.0000

 88.0506, 73.3931,
27.8717

 2.2044, 0.9578,
0.0000

 113.5368, 96.5108,
40.8353

 0.7451, 0.0000,
0.0000

 143.5198,
124.0350, 57.3001

 0.0000, 0.0000,
0.0000

 178.3649,

156.3502, 77.6847

218.4377,
193.8406, 102.4076

23.7671, 17.2992,
2.6587

23.7671, 17.2992,
2.6587

22.8615, 15.6629,
1.8183

24.9418, 19.2993,
4.1283

26.4049, 21.6385,
6.4250

28.1818, 24.3366,
9.6559

30.2948, 27.4104,
13.9119

32.7633, 30.8755,
19.2726

■ 35.6054, 34.7465,
25.8098

■ 38.8377, 39.0371,
33.5892

■ 42.4756, 43.7603,
42.6716

■ 46.5339, 48.9284,
53.1137

Harmonies

Analogous

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



29.0589, 17.2992, 7.8902



23.7671, 17.2992, 2.6587



17.3106, 17.2992, 1.4110

Triad

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



23.7671, 17.2992, 2.6587



7.4661, 17.2992, 16.4961



21.9271, 17.2992, 66.4858

Complementary

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



23.7671, 17.2992, 2.6587



15.4732, 16.3955, 48.8031

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.



15.6037, 17.2992, 74.0770



23.7671, 17.2992, 2.6587



8.1365, 17.2992, 36.9455

Square

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



23.7671, 17.2992, 2.6587



8.6822, 17.2992, 5.7497



10.8022, 17.2992, 60.9794



27.8292, 17.2992, 43.9834

Rectangle

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



23.7671, 17.2992, 2.6587



13.5316, 17.2992, 1.6225



10.8022, 17.2992, 60.9794



19.7432, 17.2992, 71.2840

Sweetspot

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



23.7675, 17.3002, 2.6590



66.1475, 65.1367, 50.5990



23.7837, 12.1989, 18.4912



14.1453, 13.7794, 10.1448



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.7675, 17.3002, 2.6590



41.2134, 27.9407, 3.2209



34.5839, 38.9330, 6.2645



9.2994, 9.6018, 9.4701



15.4506, 10.6776, 1.2466



0.6060, 0.4991, 0.0644

Inverse Universe

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



15.4732, 16.3955, 48.8031



25.8492, 25.9950, 87.8565



9.7076, 4.8643, 46.8813



8.9490, 9.5752, 11.4560



9.7604, 9.9804, 32.6651



0.4034, 0.4705, 1.1713

Previews

White Background



This preview shows how the XYZ color 23.7671, 17.2992, 2.6587 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 23.7671, 17.2992, 2.6587 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 23.7671, 17.2992, 2.6587

Background



This preview shows how black text looks on a background with the XYZ color 23.7671, 17.2992, 2.6587.



This preview shows how white text looks on a background with the XYZ color 23.7671, 17.2992,

2.6587.

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

23.7671, 17.2992, 2.6587

Protanopia

15.7919, 17.3907, 3.5017

Deuteranopia

17.6086, 17.3549, 2.4218



Tritanopia

25.3612, 17.2481, 10.7966

Trichromacy



Original Color

23.7671, 17.2992, 2.6587

Protanomaly

17.9687, 16.7443, 3.0955

Deuteranomaly

19.4877, 17.0951, 2.4736

Tritanomaly

24.4291, 17.0882, 6.4257

Monochromacy



Original Color

23.7671, 17.2992, 2.6587

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.2747, 15.1475, 8.9035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7671, 17.2992, 2.6587 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(186, 87, 18)` looks like.

```
.text, #text, p{  
    color:rgb(186, 87, 18)  
}
```

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(186, 87, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 87, 18) }
```

Border

The CSS property to change the border of an element to XYZ 23.7671, 17.2992, 2.6587 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(186, 87, 18) }
```


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

```
.border{ border-color:rgb(186, 87, 18) }
```

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

Here you see how a box with a 4 pixel rgb(186, 87, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 87, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 87, 18);  
box-shadow:4px 4px 4px 4px rgb(186, 87,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7671, 17.2992, 2.6587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 87, 18) }
```

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

```
.background{ background-color: rgb(186, 87,  
18) }
```

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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