

Converting Colors

XYZ(28.2129, 23.6846, 5.3306)

Have a look what the booklet for
XYZ(28.2129, 23.6846, 5.3306)
contains.

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Color

**XYZ(28.1673, 23.7416,
5.3835)**

Conversions

Conversions Part 1

Format	Color
Hex	BF742B
RGB	191, 116, 43
RGB Percent	75%, 45%, 17%
CMY	0.2510, 0.5451, 0.8314
CMYK	0.00, 0.39, 0.77, 0.25
HSL	30°, 63%, 46%
HSV	30°, 77%, 75%
XYZ	28.1673, 23.7416, 5.3835
YIQ	130.1030, 68.1330, -6.8030

Conversions

Conversions Part 2

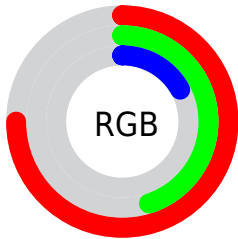
Format	Color
R_{YB}	191, 187, 43
Decimal	12547115
CIE _{Lab}	55.83, 23.75, 50.44
CIE _{LCh}	56, 55.748, 64.784
Yxy	23.7416, 0.4916, 0.4144
Android (android.graphics.Color)	4290737195 (0xFFBF742B)
YUV	130.1030, -42.9418, 53.4067
Hunter-Lab	48.7254, 17.9185, 27.5570

Details

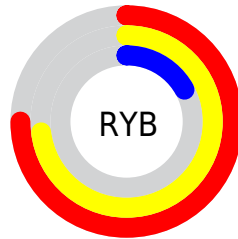
The XYZ color **28.1673, 23.7416, 5.3835** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.8782, 17.2311, 51.7262**, and the grayscale version is **21.3856, 22.4993, 24.5018**.

A 20% lighter version of the original color is **56.1679, 49.5089, 17.1855**, and **11.5229, 8.9198, 1.1144** is the 20% darker color. If you saturate the color by 10%, you get **26.8374, 21.5175, 3.5976**, and if you desaturate by 10%, it is **29.7785, 26.2663, 8.0725**.

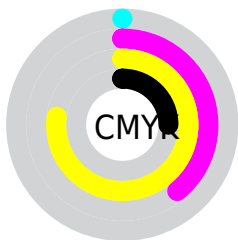
Distribution



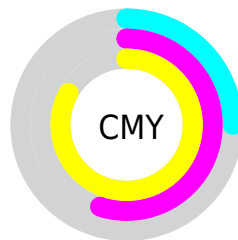
- Red (75%)
- Green (45%)
- Blue (17%)



- Red (75%)
- Yellow (73%)
- Blue (17%)



- Cyan (0%)
- Magenta (39%)
- Yellow (77%)
- Black (25%)





- Cyan (25%)
- Magenta (55%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1673, 23.7416, 5.3835 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 28.1673, 23.7416, 5.3835 by changing the saturation by 10% instead.


 28.1673, 23.7416,
5.3835


 28.1673, 23.7416,
5.3835


285.3311,
271.5115, 162.5458


 18.5929, 15.1421,
2.4113


 56.1582, 49.6082,
17.0922

 11.4788, 8.9191,
0.7926


 75.3054, 67.6440,
26.6659

 6.4595, 4.6885,
0.0000


 98.3743, 89.5941,
39.2771

 3.1697, 2.0657,
0.0000

 125.7302,
115.8428, 55.3444

 1.2441, 0.6452,
0.0000

 157.7385,
146.7744, 75.2864

 0.1408, 0.0000,
0.0000

 194.7645,

 0.0000, 0.0000,

182.7735, 99.5216

0.0000

237.1736,
224.2244, 128.4686

■ 28.1673, 23.7416,
5.3835

■ 28.1673, 23.7416,
5.3835

■ 26.8374, 21.5175,
3.5976

■ 29.7785, 26.2663,
8.0725

■ 25.7543, 19.5715,
2.5582

■ 31.6931, 29.1027,
11.7714

■ 25.5076, 19.1201,
2.3461

■ 33.9322, 32.2656,
16.5728

■ 36.5143, 35.7672,
22.5589

■ 39.4563, 39.6193,
29.8034

■ 42.7738, 43.8327,
38.3745

■ 46.4813, 48.4178,
48.3350

■ 50.5927, 53.3844,
59.7440

■ 55.1210, 58.7419,
72.6569

Harmonies

Analogous

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



34.1306, 23.7416, 10.6114



28.1673, 23.7416, 5.3835



21.5642, 23.7416, 4.3342

Triad

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



28.1673, 23.7416, 5.3835



12.4678, 23.7416, 28.8731



30.2586, 23.7416, 66.4291

Complementary

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



28.1673, 23.7416, 5.3835



16.8782, 17.2311, 51.7262

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.



23.5977, 23.7416, 78.5782



28.1673, 23.7416, 5.3835



13.9618, 23.7416, 51.3189

Square

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



28.1673, 23.7416, 5.3835



13.2365, 23.7416, 13.6479



17.7608, 23.7416, 72.0431



35.4878, 23.7416, 43.7577

Rectangle

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



28.1673, 23.7416, 5.3835



17.8317, 23.7416, 5.3446



17.7608, 23.7416, 72.0431



28.0711, 23.7416, 72.2631

Sweetspot

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



28.1678, 23.7428, 5.3839



73.0330, 73.9898, 59.4111



25.7076, 14.1474, 18.9761



15.5749, 15.6555, 11.8658



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.1678, 23.7428, 5.3839



46.6725, 36.0544, 5.0426



40.0190, 47.4452, 9.3343



9.9083, 10.2926, 10.0411



16.8437, 12.7262, 1.5686



0.7253, 0.6295, 0.0833

Inverse Universe

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



16.8782, 17.2311, 51.7262



25.5878, 23.8758, 91.5390



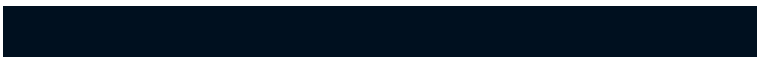
11.3566, 6.1879, 49.8857



9.4053, 10.0029, 12.1072



9.0571, 8.2259, 33.5033



0.4201, 0.4529, 1.3341

Previews

White Background



This preview shows how the XYZ color 28.1673, 23.7416, 5.3835 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 28.1673, 23.7416, 5.3835 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 28.1673, 23.7416, 5.3835

Background



This preview shows how black text looks on a background with the XYZ color 28.1673, 23.7416, 5.3835.



This preview shows how white text looks on a background with the XYZ color 28.1673, 23.7416,

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

28.1673, 23.7416, 5.3835

Protanopia

21.7752, 24.0254, 6.2860

Deuteranopia

24.1040, 23.6501, 5.2140



Tritanopia

31.1852, 23.8237, 19.7844

Trichromacy



Original Color

28.1673, 23.7416, 5.3835

Protanomaly

23.7294, 23.6349, 5.8961

Deuteranomaly

25.3705, 23.5492, 5.2158

Tritanomaly

29.8878, 23.7959, 12.6907

Monochromacy



Original Color

28.1673, 23.7416, 5.3835

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.4871, 22.2245, 14.6598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1673, 23.7416, 5.3835 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(191, 116, 43)` looks like.

```
.text, #text, p{  
    color:rgb(191, 116, 43)  
}
```

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(191, 116, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 116, 43) }
```

Border

The CSS property to change the border of an element to XYZ 28.1673, 23.7416, 5.3835 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(191, 116, 43) }
```


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

```
.border{ border-color:rgb(191, 116, 43) }
```

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

Here you see how a box with a 4 pixel rgb(191, 116, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 116, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 116, 43);  
box-shadow:4px 4px 4px 4px rgb(191, 116,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1673, 23.7416, 5.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 116, 43) }
```

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

```
.background{ background-color: rgb(191,  
116, 43) }
```

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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