

Converting Colors

XYZ(23.6228, 17.9712, 4.2250)

Have a look what the booklet for
XYZ(23.6228, 17.9712, 4.2250)
contains.

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Color

**XYZ(23.5888, 17.9270,
4.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	B65D28
RGB	182, 93, 40
RGB Percent	71%, 36%, 16%
CMY	0.2863, 0.6353, 0.8431
CMYK	0.00, 0.49, 0.78, 0.29
HSL	22°, 64%, 44%
HSV	22°, 78%, 71%
XYZ	23.5888, 17.9270, 4.2245
YIQ	113.5690, 70.0570, 2.3850

Conversions

Conversions Part 2

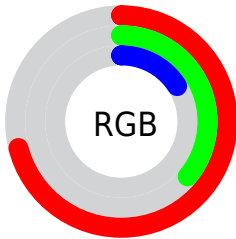
Format	Color
R_{YB}	182, 125, 40
Decimal	11951400
CIE Lab	49.41, 32.29, 45.06
CIE LCh	49, 55.436, 54.381
Yxy	17.9270, 0.5157, 0.3919
Android (android.graphics.Color)	4290141480 (0xFFB65D28)
YUV	113.5690, -36.2695, 60.0140
Hunter-Lab	42.3403, 25.3512, 23.7225

Details

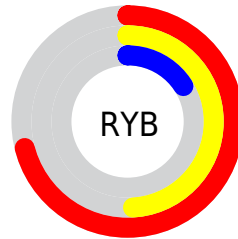
The XYZ color **23.5888, 17.9270, 4.2245** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.1683, 19.5279, 47.1201**, and the grayscale version is **15.9561, 16.7871, 18.2811**.

A 20% lighter version of the original color is **48.8907, 40.0268, 14.6003**, and **9.0691, 6.0123, 0.6825** is the 20% darker color. If you saturate the color by 10%, you get **22.4214, 15.9765, 2.6511**, and if you desaturate by 10%, it is **25.0521, 20.2364, 6.6156**.

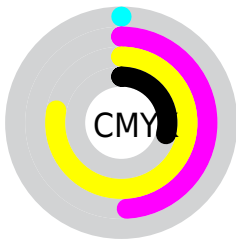
Distribution



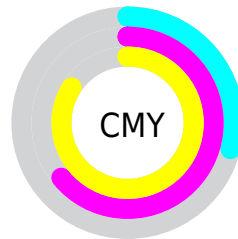
- Red (71%)
- Green (36%)
- Blue (16%)



- Red (71%)
- Yellow (49%)
- Blue (16%)



- Cyan (0%)
- Magenta (49%)
- Yellow (78%)
- Black (29%)




- Cyan (29%)
- Magenta (64%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5888, 17.9270, 4.2245 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 23.5888, 17.9270, 4.2245 by changing the saturation by 10% instead.


 23.5888, 17.9270,
4.2245


 23.5888, 17.9270,
4.2245


263.2142,
240.4593, 150.6889


 15.1520, 10.8976,
1.7493


 48.8179, 39.9129,
14.5243


 9.0131, 5.9980,
0.3942


 66.3409, 55.6382,
23.1860

 4.8069, 2.8439,
0.0000

 87.6233, 75.0309,
34.7469

 2.1680, 1.0508,
0.0000

 113.0305, 98.4753,
49.6256

 0.7258, 0.0000,
0.0000

 142.9278,
126.3560, 68.2406

 0.0000, 0.0000,
0.0000

 177.6806,

159.0573, 91.0105

217.6543,
196.9636, 118.3537

■ 23.5888, 17.9270,
4.2245

■ 23.5888, 17.9270,
4.2245

■ 22.4214, 15.9765,
2.6511

■ 25.0521, 20.2364,
6.6156

■ 21.5133, 14.3574,
1.7408

■ 26.8343, 22.9214,
9.9209

■ 21.3545, 14.0715,
1.5906

■ 28.9573, 26.0010,
14.2243

■ 31.4401, 29.4915,
19.5997

■ 34.3005, 33.4085,
26.1140

■ 37.5549, 37.7667,
33.8286

■ 41.2185, 42.5798,
42.8005

■ 45.3059, 47.8612,
53.0829

■ 49.8307, 53.6234,
64.7260

Harmonies

Analogous

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



27.9314, 17.9270, 9.8848



23.5888, 17.9270, 4.2245



18.0423, 17.9270, 2.6012

Triad

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



23.5888, 17.9270, 4.2245



8.8659, 17.9270, 16.8344



21.5341, 17.9270, 59.2296

Complementary

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



23.5888, 17.9270, 4.2245



17.1683, 19.5279, 47.1201

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.



16.0737, 17.9270, 64.4674



23.5888, 17.9270, 4.2245



9.4259, 17.9270, 33.9767

Square

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



23.5888, 17.9270, 4.2245



10.1048, 17.9270, 7.0963



11.8301, 17.9270, 53.5163



26.5854, 17.9270, 41.5419

Rectangle

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



23.5888, 17.9270, 4.2245



14.6626, 17.9270, 2.8056



11.8301, 17.9270, 53.5163



19.6594, 17.9270, 62.7886

Sweetspot

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



23.5892, 17.9280, 4.2248



64.8292, 64.1284, 53.5459



24.0750, 13.0727, 22.3502



13.8611, 13.5482, 10.7504



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.



23.5892, 17.9280, 4.2248



39.3714, 26.6935, 3.5009



32.7834, 36.3163, 7.2895



9.2719, 9.5467, 9.4609



15.1396, 10.0555, 1.1430



0.5939, 0.4749, 0.0604

Inverse Universe

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



17.1683, 19.5279, 47.1201



27.0383, 29.3097, 84.4680



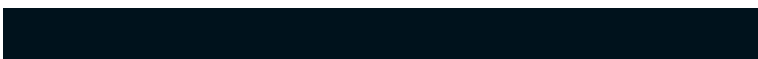
10.8792, 6.9498, 45.0238



8.9773, 9.6319, 11.4654



10.2826, 11.0248, 32.8391



0.4198, 0.5032, 1.1768

Previews

White Background



This preview shows how the XYZ color 23.5888, 17.9270, 4.2245 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 23.5888, 17.9270, 4.2245 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 23.5888, 17.9270, 4.2245

Background



This preview shows how black text looks on a background with the XYZ color 23.5888, 17.9270, 4.2245.



This preview shows how white text looks on a background with the XYZ color 23.5888, 17.9270,

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

23.5888, 17.9270, 4.2245

Protanopia

16.5072, 18.0676, 5.3067

Deuteranopia

18.2956, 17.9997, 4.0234



Tritanopia

25.1511, 17.7971, 12.4655

Trichromacy



Original Color

23.5888, 17.9270, 4.2245

Protanomaly

18.5009, 17.6032, 4.8055

Deuteranomaly

19.8672, 17.7041, 4.0392

Tritanomaly

24.3368, 17.7064, 8.6136

Monochromacy



Original Color

23.5888, 17.9270, 4.2245

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.5218, 16.4852, 11.2753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5888, 17.9270, 4.2245 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(182, 93, 40)` looks like.

```
.text, #text, p{  
    color:rgb(182, 93, 40)  
}
```

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(182, 93, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 93, 40) }
```

Border

The CSS property to change the border of an element to XYZ 23.5888, 17.9270, 4.2245 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(182, 93, 40) }
```


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

```
.border{ border-color:rgb(182, 93, 40) }
```

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

Here you see how a box with a 4 pixel rgb(182, 93, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 93, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 93, 40);  
box-shadow:4px 4px 4px 4px rgb(182, 93,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5888, 17.9270, 4.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 93, 40) }
```

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

```
.background{ background-color: rgb(182, 93,  
40) }
```

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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