

Converting Colors

XYZ(33.4913, 29.9437, 19.6373)

Have a look what the booklet for
XYZ(33.4913, 29.9437, 19.6373)
contains.

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Color

**XYZ(33.5230, 30.0070,
19.6479)**

Conversions

Conversions Part 1

Format	Color
Hex	C08871
RGB	192, 136, 113
RGB Percent	75%, 53%, 44%
CMY	0.2471, 0.4666, 0.5569
CMYK	0.00, 0.29, 0.41, 0.25
HSL	17°, 39%, 60%
HSV	17°, 41%, 75%
XYZ	33.5230, 30.0070, 19.6479
YIQ	150.1220, 40.7590, 4.7190

Conversions

Conversions Part 2

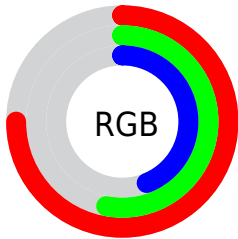
Format	Color
R_{YB}	192, 145, 113
Decimal	12617841
CIE Lab	61.66, 18.53, 20.88
CIE LCh	62, 27.913, 48.417
Yxy	30.0070, 0.4030, 0.3608
Android (android.graphics.Color)	4290807921 (0xFFC08871)
YUV	150.1220, -18.3011, 36.7270
Hunter-Lab	54.7786, 13.3744, 17.0790

Details

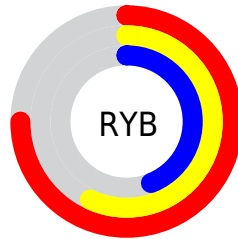
The XYZ color **33.5230, 30.0070, 19.6479** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **30.5119, 35.6911, 55.1500**, and the grayscale version is **29.1050, 30.6207, 33.3460**.

A 20% lighter version of the original color is **64.6293, 59.8675, 43.7466**, and **14.4353, 12.2715, 6.6088** is the 20% darker color. If you saturate the color by 10%, you get **30.7579, 26.0275, 13.9457**, and if you desaturate by 10%, it is **36.7617, 34.5676, 26.6368**.

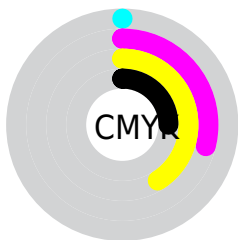
Distribution



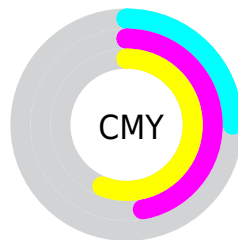
- Red (75%)
- Green (53%)
- Blue (44%)



- Red (75%)
- Yellow (57%)
- Blue (44%)



- Cyan (0%)
- Magenta (29%)
- Yellow (41%)
- Black (25%)





- Cyan (25%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5230, 30.0070, 19.6479 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 33.5230, 30.0070, 19.6479 by changing the saturation by 10% instead.


 33.5230, 30.0070,
19.6479

 33.5230, 30.0070,
19.6479


309.6233,
301.9371, 262.5435

 22.6885, 19.8439,
11.9578


 64.5404, 59.6732,
43.6773


 14.4831, 12.2816,
6.5928


 85.4541, 79.9452,
60.8536

 8.5414, 6.9358,
3.1342


 110.4583,
104.3555, 82.0292

 4.4980, 3.4220,
1.1636

 139.9182,
133.2887, 107.6224

 1.9875, 1.3558,
0.0000

174.1994,
167.1290, 138.0519

 0.6269, 0.1838,
0.0000

213.6670,

 0.0000, 0.0000,

206.2609, 173.7363

0.0000

258.6866,
251.0688, 215.0939

■ 33.5230, 30.0070,
19.6479

■ 33.5230, 30.0070,
19.6479

■ 30.7579, 26.0275,
13.9457

■ 36.7617, 34.5676,
26.6368

■ 28.4405, 22.6008,
9.4487

■ 40.4936, 39.7276,
34.9833

■ 26.5457, 19.7026,
6.0689


■ 44.7400, 45.5096,
44.7553


■ 25.0446, 17.3048,
3.7054


■ 49.5200, 51.9339,
56.0157


■ 23.9040, 15.3762,
2.2384

■ 54.8519, 59.0198,
68.8234

 23.1479, 14.0259,
1.4872

 60.7530, 66.7856,
83.2342

 67.2399, 75.2491,
99.3013

 72.4037, 83.6575,
106.9392

 75.5482, 89.9465,
107.9873

Harmonies

Analogous

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



35.8397, 30.0070, 26.6328



33.5230, 30.0070, 19.6479



29.9774, 30.0070, 16.4650

Triad

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



33.5230, 30.0070, 19.6479



22.0867, 30.0070, 28.7391



30.8347, 30.0070, 56.1465

Complementary

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



33.5230, 30.0070, 19.6479



30.5119, 35.6911, 55.1500

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.



27.1120, 30.0070, 57.0559



33.5230, 30.0070, 19.6479



22.2729, 30.0070, 39.5625

Square

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



33.5230, 30.0070, 19.6479



23.5100, 30.0070, 20.9007



24.0427, 30.0070, 50.4636



34.1973, 30.0070, 48.1971

Rectangle

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



33.5230, 30.0070, 19.6479



27.4891, 30.0070, 16.3412



24.0427, 30.0070, 50.4636



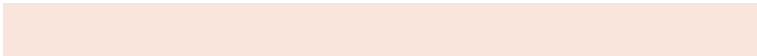
29.5779, 30.0070, 57.3406

Sweetspot

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



33.5238, 30.0084, 19.6485



80.2161, 81.3101, 79.1156



34.8630, 25.9048, 41.0031



16.9832, 17.1377, 16.4491



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.



33.5238, 30.0084, 19.6485



56.3646, 48.0815, 26.5424



40.0262, 43.0134, 21.8160



10.3068, 10.5451, 10.5541



15.6352, 9.5562, 1.0205



0.7368, 0.5354, 0.0645

Inverse Universe

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



30.5119, 35.6911, 55.1500



50.1673, 59.6589, 99.2315



24.3229, 23.3132, 53.0870



10.1128, 10.9169, 12.8590



12.4049, 14.5663, 35.7144



0.5930, 0.7434, 1.5621

Previews

White Background



This preview shows how the XYZ color 33.5230, 30.0070, 19.6479 looks on a white background.

Color Contrast Check

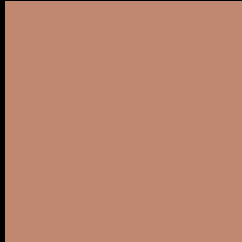
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5230, 30.0070, 19.6479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

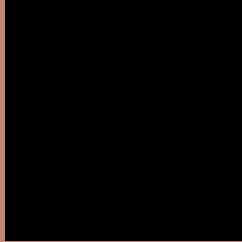
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5230, 30.0070, 19.6479

Background



This preview shows how black text looks on a background with the XYZ color 33.5230, 30.0070, 19.6479.



This preview shows how white text looks on a background with the XYZ color 33.5230, 30.0070,

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

33.5230, 30.0070, 19.6479

Protanopia

28.3753, 30.1977, 21.7860

Deuteranopia

30.6516, 30.0449, 19.5130



Tritanopia

35.6394, 30.0576, 29.5145

Trichromacy



Original Color

33.5230, 30.0070, 19.6479

Protanomaly

29.9787, 29.8888, 21.0187

Deuteranomaly

31.5941, 29.8711, 19.4297

Tritanomaly

34.7324, 29.8831, 25.4101

Monochromacy



Original Color

33.5230, 30.0070, 19.6479

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.1578, 30.0563, 27.8789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5230, 30.0070, 19.6479 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(192, 136, 113)` looks like.

```
.text, #text, p{  
    color:rgb(192, 136, 113)  
}
```

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(192, 136, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 136, 113) }
```

Border

The CSS property to change the border of an element to XYZ 33.5230, 30.0070, 19.6479 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(192, 136, 113) }
```


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

```
.border{ border-color:rgb(192, 136, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 136, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 136, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 136, 113);  
box-shadow:4px 4px 4px 4px rgb(192, 136,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5230, 30.0070, 19.6479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 136, 113) }
```

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

```
.background{ background-color: rgb(192,  
136, 113) }
```

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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