

Converting Colors

XYZ(34.4506, 30.0454, 20.5209)

Have a look what the booklet for
XYZ(34.4506, 30.0454, 20.5209)
contains.

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Color

**XYZ(34.4424, 30.0469,
20.5073)**

Conversions

Conversions Part 1

Format	Color
Hex	C48674
RGB	196, 134, 116
RGB Percent	77%, 53%, 45%
CMY	0.2314, 0.4745, 0.5451
CMYK	0.00, 0.32, 0.41, 0.23
HSL	14°, 40%, 61%
HSV	14°, 41%, 77%
XYZ	34.4424, 30.0469, 20.5073
YIQ	150.4860, 42.7300, 7.5460

Conversions

Conversions Part 2

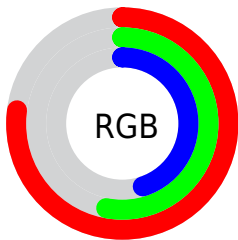
Format	Color
R _Y B	196, 139, 116
Decimal	12879476
CIE Lab	61.69, 21.58, 19.31
CIE LCh	62, 28.959, 41.830
Yxy	30.0469, 0.4052, 0.3535
Android (android.graphics.Color)	4291069556 (0xFFC48674)
YUV	150.4860, -17.0016, 39.9158
Hunter-Lab	54.8151, 16.2321, 16.1891

Details

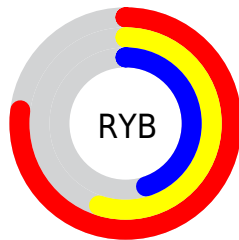
The XYZ color **34.4424, 30.0469, 20.5073** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **33.0859, 39.5376, 58.1121**, and the grayscale version is **29.2541, 30.7776, 33.5168**.

A 20% lighter version of the original color is **65.9242, 59.8644, 45.1262**, and **15.0289, 12.3335, 7.0573** is the 20% darker color. If you saturate the color by 10%, you get **31.4697, 25.7377, 14.4726**, and if you desaturate by 10%, it is **37.9587, 35.0584, 27.9105**.

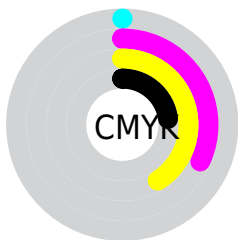
Distribution



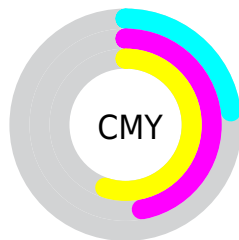
- Red (77%)
- Green (53%)
- Blue (45%)



- Red (77%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (32%)
- Yellow (41%)
- Black (23%)





- Cyan (23%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4424, 30.0469, 20.5073 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 34.4424, 30.0469, 20.5073 by changing the saturation by 10% instead.


 34.4424, 30.0469,
20.5073

 34.4424, 30.0469,
20.5073


313.6515,
302.1230, 267.3428

 23.3982, 19.8742,
12.5766


 65.9608, 59.7363,
45.1362

 15.0101, 12.3036,
7.0104


 87.1656, 80.0219,
62.6715

 8.9128, 6.9508,
3.3900


 112.4881,
104.4471, 84.2453

 4.7410, 3.4314,
1.2971

142.2935,
133.3965, 110.2764

 2.1293, 1.3609,
0.0594

176.9471,
167.2543, 141.1831

 0.7051, 0.1876,
0.0000

216.8145,

 0.0000, 0.0000,

206.4051, 177.3841

0.0000

262.2608,
251.2332, 219.2978

■ 34.4424, 30.0469,
20.5073

■ 34.4424, 30.0469,
20.5073

■ 31.4697, 25.7377,
14.4726

■ 37.9587, 35.0584,
27.9105

■ 29.0103, 22.0945,
9.7201

■ 42.0423, 40.7973,
36.7577

■ 27.0343, 19.0848,
6.1561


■ 46.7182, 47.2930,
47.1212


■ 25.5073, 16.6711,
3.6736


■ 52.0092, 54.5719,
59.0676

■ 24.3902, 14.8117,
2.1457

■ 57.9368, 62.6592,
72.6598

 23.6697, 13.5454,
1.3670

 64.5216, 71.5787,
87.9571

 71.7831, 81.3536,
105.0159

 76.5749, 90.4757,
108.0354

Harmonies

Analogous

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



36.4411, 30.0469, 28.5559



34.4424, 30.0469, 20.5073



30.9318, 30.0469, 16.4134

Triad

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



34.4424, 30.0469, 20.5073



22.0819, 30.0469, 26.5356



30.1047, 30.0469, 58.1873

Complementary

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



34.4424, 30.0469, 20.5073



33.0859, 39.5376, 58.1121

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.



26.3102, 30.0469, 57.3004



34.4424, 30.0469, 20.5073



21.9038, 30.0469, 37.2616

Square

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



34.4424, 30.0469, 20.5073



23.8971, 30.0469, 19.3160



23.3863, 30.0469, 49.0052



33.7902, 30.0469, 51.2094

Rectangle

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



34.4424, 30.0469, 20.5073



28.3227, 30.0469, 15.7611



23.3863, 30.0469, 49.0052



28.7960, 30.0469, 58.8355

Sweetspot

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



34.4432, 30.0484, 20.5079



83.4051, 83.9760, 82.6188



37.1134, 27.4680, 45.8171



17.6024, 17.6284, 17.1270



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.4432, 30.0484, 20.5079



57.5286, 47.3850, 27.2508



40.9249, 43.0119, 22.6685



10.2530, 10.4374, 10.5361



15.2631, 8.8119, 0.8964



0.7130, 0.4878, 0.0566

Inverse Universe

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



33.0859, 39.5376, 58.1121



54.6997, 66.8419, 104.6265



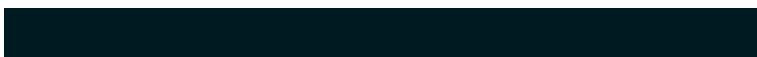
26.3509, 26.0676, 55.8671



10.1701, 11.0315, 12.8781



13.6720, 17.1005, 36.1368



0.6392, 0.8358, 1.5775

Previews

White Background



This preview shows how the XYZ color 34.4424, 30.0469, 20.5073 looks on a white background.

Color Contrast Check

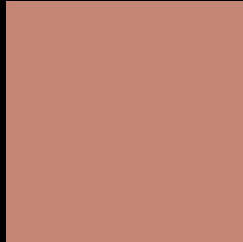
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4424, 30.0469, 20.5073 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 34.4424, 30.0469, 20.5073

Background



This preview shows how black text looks on a background with the XYZ color 34.4424, 30.0469, 20.5073.



This preview shows how white text looks on a background with the XYZ color 34.4424, 30.0469,

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

34.4424, 30.0469, 20.5073

Protanopia

28.4231, 30.1941, 23.0689

Deuteranopia

30.5389, 29.9738, 20.0955



Tritanopia

36.1386, 30.1318, 28.7223

Trichromacy



Original Color

34.4424, 30.0469, 20.5073

Protanomaly

30.3767, 30.0732, 21.9730

Deuteranomaly

32.0010, 30.0613, 20.3354

Tritanomaly

35.3740, 30.0115, 25.4011

Monochromacy



Original Color

34.4424, 30.0469, 20.5073

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.4971, 29.9970, 28.2274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4424, 30.0469, 20.5073 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(196, 134, 116)` looks like.

```
.text, #text, p{  
    color:rgb(196, 134, 116)  
}
```

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(196, 134, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 134, 116) }
```

Border

The CSS property to change the border of an element to XYZ 34.4424, 30.0469, 20.5073 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(196, 134, 116) }
```


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

```
.border{ border-color:rgb(196, 134, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 134, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 134, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 134, 116);  
box-shadow:4px 4px 4px 4px rgb(196, 134,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4424, 30.0469, 20.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 134, 116) }
```

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

```
.background{ background-color: rgb(196,  
134, 116) }
```

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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