

Converting Colors

XYZ(29.8994, 22.9849, 13.0173)

Have a look what the booklet for
XYZ(29.8994, 22.9849, 13.0173)
contains.

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Color

**XYZ(29.9544, 23.0239,
12.9905)**

Conversions

Conversions Part 1

Format	Color
Hex	C46B5C
RGB	196, 107, 92
RGB Percent	77%, 42%, 36%
CMY	0.2314, 0.5804, 0.6392
CMYK	0.00, 0.45, 0.53, 0.23
HSL	9°, 47%, 56%
HSV	9°, 53%, 77%
XYZ	29.9544, 23.0239, 12.9905
YIQ	131.9010, 57.8590, 14.2030

Conversions

Conversions Part 2

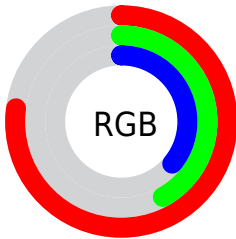
Format	Color
R_{YB}	196, 110, 92
Decimal	12872540
CIE Lab	55.10, 33.81, 24.12
CIE LCh	55, 41.531, 35.509
Yxy	23.0239, 0.4541, 0.3490
Android (android.graphics.Color)	4291062620 (0xFFC46B5C)
YUV	131.9010, -19.6712, 56.2148
Hunter-Lab	47.9832, 27.4612, 17.5367

Details

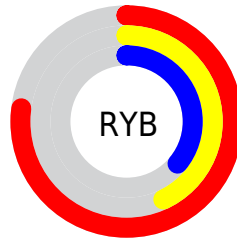
The XYZ color **29.9544, 23.0239, 12.9905** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **30.9002, 39.3063, 58.1825**, and the grayscale version is **21.9512, 23.0943, 25.1497**.

A 20% lighter version of the original color is **58.6933, 48.3546, 31.8311**, and **12.4375, 8.5268, 3.5751** is the 20% darker color. If you saturate the color by 10%, you get **27.6236, 19.5607, 8.5194**, and if you desaturate by 10%, it is **32.8472, 27.2564, 18.7428**.

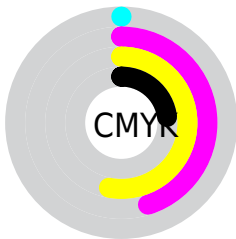
Distribution



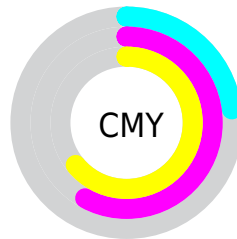
- Red (77%)
- Green (42%)
- Blue (36%)



- Red (77%)
- Yellow (43%)
- Blue (36%)



- Cyan (0%)
- Magenta (45%)
- Yellow (53%)
- Black (23%)





- Cyan (23%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9544, 23.0239, 12.9905 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 29.9544, 23.0239, 12.9905 by changing the saturation by 10% instead.


 29.9544, 23.0239,
12.9905


 29.9544, 23.0239,
12.9905


293.6055,
267.8477, 222.0625


 19.9519, 14.6112,
7.2914


 58.9772, 48.4326,
31.9777

 12.4681, 8.5469,
3.5638


 78.7281, 66.1973,
46.1027

 7.1378, 4.4469,
1.3892


 102.4593, 87.8481,
63.8736

 3.5955, 1.9265,
0.1333

 130.5360,
113.7694, 85.7086

 1.4760, 0.5643,
0.0000

163.3236,
144.3457, 112.0265

 0.3094, 0.0000,
0.0000

201.1875,

 0.0000, 0.0000,

179.9612, 143.2458

0.0000

244.4930,
221.0004, 179.7849

■ 29.9544, 23.0239,
12.9905

■ 29.9544, 23.0239,
12.9905

■ 27.6236, 19.5607,
8.5194

■ 32.8472, 27.2564,
18.7428

■ 25.8159, 16.8170,
5.2296

■ 36.3339, 32.2972,
25.8632

■ 24.4900, 14.7423,
3.0084

■ 40.4461, 38.1867,
34.4324

■ 23.5974, 13.2784,
1.7207

■ 45.2128, 44.9617,
44.5248

■ 23.1867, 12.5795,
1.2060

■ 50.6608, 52.6567,
56.2093

■ 56.8157, 61.3045,
69.5507

■ 63.7018, 70.9362,
84.6103

■ 71.3419, 81.5814,
101.4462

■ 76.5748, 90.4757,
108.0354

Harmonies

Analogous

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



31.9880, 23.0239, 22.7016



29.9544, 23.0239, 12.9905



25.7829, 23.0239, 8.2956

Triad

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



29.9544, 23.0239, 12.9905



14.7444, 23.0239, 15.9202



22.7488, 23.0239, 59.9473

Complementary

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



29.9544, 23.0239, 12.9905



30.9002, 39.3063, 58.1825

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.



18.3985, 23.0239, 56.1416



29.9544, 23.0239, 12.9905



14.1684, 23.0239, 27.5958

Square

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



29.9544, 23.0239, 12.9905



17.1119, 23.0239, 9.5218



15.4106, 23.0239, 42.9727



27.4687, 23.0239, 52.0576

Rectangle

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



29.9544, 23.0239, 12.9905



22.5876, 23.0239, 7.2807



15.4106, 23.0239, 42.9727



21.1942, 23.0239, 60.0179

Sweetspot

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



29.9550, 23.0251, 12.9909



79.0191, 77.3572, 74.5190



35.0493, 22.7731, 46.8764



16.5228, 16.0029, 15.1225



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.



29.9550, 23.0251, 12.9909



49.3334, 34.3700, 14.1133



36.9008, 36.9167, 15.3062



10.1879, 10.3072, 10.5144



14.9375, 8.1607, 0.7879



0.6839, 0.4296, 0.0469

Inverse Universe

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



30.9002, 39.3063, 58.1825



51.1466, 66.8908, 104.8233



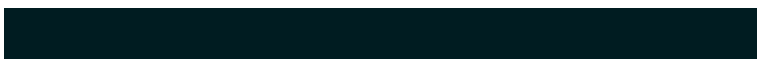
22.3779, 22.2617, 55.3418



10.2407, 11.1727, 12.9016



15.4150, 20.5864, 36.7177



0.7006, 0.9587, 1.5980

Previews

White Background



This preview shows how the XYZ color 29.9544, 23.0239, 12.9905 looks on a white background.

Color Contrast Check

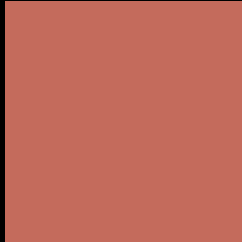
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9544, 23.0239, 12.9905 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 29.9544, 23.0239, 12.9905

Background



This preview shows how black text looks on a background with the XYZ color 29.9544, 23.0239, 12.9905.



This preview shows how white text looks on a background with the XYZ color 29.9544, 23.0239,

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

29.9544, 23.0239, 12.9905

Protanopia

21.6840, 23.1445, 16.1564

Deuteranopia

23.6489, 23.2543, 12.4746



Tritanopia

30.9009, 22.9408, 18.1286

Trichromacy



Original Color

29.9544, 23.0239, 12.9905

Protanomaly

24.0330, 22.6438, 14.9084

Deuteranomaly

25.5329, 22.9249, 12.5304

Tritanomaly

30.6273, 22.9934, 16.1885

Monochromacy



Original Color

29.9544, 23.0239, 12.9905

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.8114, 22.4188, 19.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9544, 23.0239, 12.9905 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, 107, 92)` looks like.

```
.text, #text, p{  
    color:rgb(196, 107, 92)  
}
```

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, 107, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 107, 92) }
```

Border

The CSS property to change the border of an element to XYZ 29.9544, 23.0239, 12.9905 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, 107, 92) }
```


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

```
.border{ border-color:rgb(196, 107, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 107, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 107, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 107, 92);  
box-shadow:4px 4px 4px 4px rgb(196, 107,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9544, 23.0239, 12.9905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 107, 92) }
```

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

```
.background{ background-color: rgb(196,  
107, 92) }
```

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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